

FORM 1
GENERAL
EPA
3. ENVIRONMENTAL PROTECTION AGENCY
GENERAL INFORMATION
Consolidated Permits Program
(Read the "General Instructions" before starting.)

I. EPA I.D. NUMBER

F N Y D O O 0 8 2 4 4 8 2 3 D

GENERAL INSTRUCTIONS

If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent (the area to the left of the label space lists the information that should appear), please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete Items I, III, V, and VI (except VI-B which must be completed regardless). Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.

EPA I.D. NUMBER
I. FACILITY NAME
FACILITY MAILING ADDRESS
FACILITY LOCATION

PLEASE PLACE LABEL IN THIS SPACE

POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column of the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms.

SPECIFIC QUESTIONS	MARK 'X'		
	YES	NO	FORM ATTACHED
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)		X	
Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)	X		
Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)	X		X
J. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X	
Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	
B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)		X	
D. Is this a proposed facility (other than those described in A or B above) which will result in a discharge to waters of the U.S.? (FORM 2D)		X	
F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	

NAME OF FACILITY

HOOKER CHEMICALS & PLASTICS CORP.

FACILITY CONTACT

A. NAME & TITLE (last, first, & title)

CZAPLA JAMES J SUPERINTENDENT

B. PHONE (area code & no.)

716 278 7796

or 278-7534

FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX

47TH & BUFFALO AVENUE

B. CITY OR TOWN

NIAGARA FALLS

C. STATE

NY

D. ZIP CODE

14303

FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER

47TH & BUFFALO AVENUE

B. COUNTY NAME

LAGARA

C. CITY OR TOWN

NIAGARA FALLS

D. STATE

NY

E. ZIP CODE

14302

F. COUNTY CODE (if known)

CONTINUED FROM THE FRONT

II. SIC CODES (4-digit, in order of priority)

A. FIRST		B. SECOND	
2 8 1 2 (specify)	ALKALIES AND CHLORINE	7 2 8 6 9 (specify)	INDUSTRIAL ORGANIC CHEMICALS
C. THIRD		D. FOURTH	
2 8 1 9 (specify)	INDUSTRIAL INORGANIC CHEMICALS	7 2 8 7 9 (specify)	AGRICULTURAL CHEMICALS

III. OPERATOR INFORMATION

A. NAME		B. Is the name listed in Item VIII-A also the owner?	
HOOKER CHEMICALS & PLASTICS CORP.		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)		D. PHONE (area code & no.)	
F = FEDERAL S = STATE P = PRIVATE M = PUBLIC (other than federal or state) O = OTHER (specify)		7 1 6 2 7 8 7 0 0 0	
E. STREET OR P.O. BOX			
4 5 3 rd STREET BOX 7 2 8			
F. CITY OR TOWN		G. STATE	H. ZIP CODE
N I A G A R A F A L L S		N Y	1 4 3 0 3
		IX. INDIAN LAND	
		Is the facility located on Indian lands? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	

EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water)		D. PSD (Air Emissions from Proposed Sources)	
N Y 0 0 0 3 3 3 6	9 P		
B. UIC (Underground Injection of Fluids)		E. OTHER (specify)	
U	9 N Y 0 0 0 3 3 3 6	SPDES	
C. RCRA (Hazardous Wastes)		E. OTHER (specify)	
R	9 N Y 0 1 0 6 2 5 9	SPDES	

I. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

F9: A/50

II. NATURE OF BUSINESS (provide a brief description)

Basic chemicals produced at the plant include chlorine sodium hydroxide, potassium hydroxide. Much of the plant is dedicated to making chemical intermediates such as parachlorobenzo trichloride, parachlorobenzotrifluoride. Phosphorous products such as phosphorous pentasulfide, phosphorous trichloride, phosphorous oxychloride are also produced. An energy from refuse plant supplies steam for the facility.

F9: A
51

III. CERTIFICATION (see instructions)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME & OFFICIAL TITLE (type or print)	B. SIGNATURE	C. DATE SIGNED
Milo D Harrison Vice President		Nov 14, 1980

COMMENTS FOR OFFICIAL USE ONLY

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Continued all added up 2/23/87 ap.

DUP

3 1

LINE NUMBER	A. PROCESS CODE (from list above)			B. PROCESS DESIGN CAPACITY			FOR OFFICIAL USE ONLY	R E M A I N I N G	A. PROCESS CODE (from list above)			B. PROCESS DESIGN CAPACITY			FOR OFFICIAL USE ONLY
	1	2	3	1	2	3			1	2	3	1	2	3	
1	S	0	2	600	G				33	S	0	2	10000	000	G
2	T	0	3	20	E				34	S	0	2	10000	000	G
11	S	0	2	10000	000	G			35	S	0	2	10000	000	G
12	S	0	2	5000	000	G			36	S	0	2	10000	000	G
13	S	0	2	12800	000	G			37	S	0	2	10000	000	G
14	S	0	2	50000	000	G			38	S	0	2	10000	000	G
15	S	0	2	30000	000	G			39	S	0	2	10000	000	G
16	T	0	4	252000	000	U			40	S	0	2	7500	000	G
17	T	0	4	252000	000	U			41	S	0	2	15000	000	G
18	S	0	2	24000	000	G			42	S	0	1	10000	000	G
19	S	0	2	24000	000	G			43	S	0	1	15000	000	G
20	S	0	2	24000	000	G			44	S	0	1	15000	000	G
21	S	0	2	24000	000	G			45	S	0	1	15000	000	G
22	S	0	2	50000	000	G			46	S	0	1	15000	000	G
23	S	0	2	50000	000	G			47	S	0	1	15000	000	G
24	S	0	2	50000	000	G			48	S	0	4	330000	000	G
25	T	0	1	10020	000	E			49	T	0	2	300000	000	U
26	T	0	1	10020	000	E			50	S	0	1	15000	000	G
27	T	0	1	10020	000	E			51	T	0	4	40000	000	U
28	T	0	1	10020	000	E									
29	T	0	1	10020	000	E									
30	S	0	2	25000	000	G									
31	S	0	2	25000	000	G									
32	S	0	2	10000	000	G									

Page 1 of 5 continued

* Footnotes on next page.

FORM 3 EPA HAZARDOUS WASTE PERMIT APPLICATION
Consolidated Permits Program
(This information is required under Section 3005 of RCRA.)

I. EPA I.D. NUMBER
F N Y D O O O 8 2 4 4 8 2 3 1

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED (yr., mo., & day)
23	24

COMMENTS

FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item 1 above.

A. FIRST APPLICATION (place an "X" below and provide the appropriate date)

☒ 1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.)

YR. MO. DAY
01 01 01
FOR EXISTING FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left)

☐ 2. NEW FACILITY (Complete item below.)

YR. MO. DAY
FOR NEW FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR IS EXPECTED TO BEGIN

B. REVISED APPLICATION (place an "X" below and complete Item 1 above)

☐ 1. FACILITY HAS INTERIM STATUS

☐ 2. FACILITY HAS A RCRA PERMIT

II. PROCESSES - CODES AND DESIGN CAPACITIES

PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided on the form (Item III-C).

PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process.

1. AMOUNT - Enter the amount.
2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PRO- CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	PROCESS	PRO- CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:			Treatment:		
CONTAINER (barrel, drum, etc.)	S01	GALLONS OR LITERS	TANK	T01	GALLONS PER DAY OR LITERS PER DAY
TANK	S02	GALLONS OR LITERS		T02	GALLONS PER DAY OR LITERS PER DAY
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS	SURFACE IMPOUNDMENT	T03	TONS PER HOUR OR METRIC TONS PER HOUR
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS	INCINERATOR	T04	GALLONS PER DAY OR LITERS PER DAY
Disposal:			OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Item III-C.)		
INJECTION WELL	D79	GALLONS OR LITERS			
LANDFILL	D80	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER			
LAND APPLICATION	D81	ACRES OR HECTARES			
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY			
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS			
UNIT OF MEASURE CODE			UNIT OF MEASURE CODE		
GALLONS	G		ACRE-FEET	A	
LITERS	L		HECTARE-METER	F	
CUBIC YARDS	Y		ACRES	B	
CUBIC METERS	C		HECTARES	Q	
GALLONS PER DAY	U				

EXAMPLE FOR COMPLETING ITEM III (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

DUP

A. PRO- CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PRO- CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY	FOR OFFICIAL USE ONLY
1. AMOUNT (specify)	2. UNIT OF MEA- SURE (enter code)			1. AMOUNT	2. UNIT OF MEA- SURE (enter code)	
S02	600	G	5	S01	90000000	G
T03	20	E	6	T02	300000000	U
T03	7920000	E	7	S02	8000	G
S02	999999999	G	8	S02	25000	G
T04	90400000	U	9	S02	3000	G
T01	999999999	U	10	S02	2000	G

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

(T03) Line 1 - Liquid Injection Incinerator (T06)
 (T01) Lines 25 to 29 - Neutralization and chemical precipitation (T31, T23)
 (T02) Line 49 - Neutralization (T31)
 (T04) Line 16 & 17 - Activated Carbon treatment (T49)
 (T04) Line 51 - Filtration (T40)

IV. DESCRIPTION OF HAZARDOUS WASTES

- A. EPA HAZARDOUS WASTE NUMBER** - Enter the four-digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.
- B. ESTIMATED ANNUAL QUANTITY** - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.
- C. UNIT OF MEASURE** - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE CODE
 POUNDS P
 TONS T

METRIC UNIT OF MEASURE CODE
 KILOGRAMS K
 METRIC TONS M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES**1. PROCESS CODES:**

For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER - Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

- Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
- In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
- Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2				included with above

V. DESCRIPTION OF HAZARDOUS WASTE (continued)
 USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.

file Reg NYD0000824482

F61A 55 F61A 56

EPA I.D. NO. (enter from page 1)													
N	Y	D	0	0	0	8	2	4	4	8	2	T/A	C
												3	6

FACILITY DRAWING

existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

PHOTOGRAPHS

existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

FACILITY GEOGRAPHIC LOCATION

LATITUDE (degrees, minutes, & seconds)												LONGITUDE (degrees, minutes, & seconds)											
4	3	0	6	1	5	0						0	7	9	0	0	3	0	0				

FACILITY OWNER

A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items: (Muriatic Acid Sys)

1. NAME OF FACILITY'S LEGAL OWNER												2. PHONE NO. (area code & no.)											
Niagara Recycling/Newco Waste Systems												7 1 6 - 2 8 5 - 6 9 2 9											
3. STREET OR P.O. BOX												4. CITY OR TOWN											
4626 Royal Avenue												Niagara Falls											
5. ST.												6. ZIP CODE											
G												N Y 1 4 3 0 3											

OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)	B. SIGNATURE	C. DATE SIGNED
James H Williams	<i>James H. Williams</i>	November 13, 1980

OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)	B. SIGNATURE	C. DATE SIGNED
James J. Czapl	<i>James J. Czapl</i>	11/12/80

FOR OFFICIAL USE ONLY

[illegible]

	1	2
DESCRIPTION OF HAZARDOUS WASTES (continued)		

[illegible]

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.

FG: A
55FG: A
56

EPA I.D. NO. (enter from page 1)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
F	N	Y	D	0	0	0	8	2	4	4	8	2	3	6

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

VI. PHOTOGRAPHS

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

VII. FACILITY GEOGRAPHIC LOCATION

LATITUDE (degrees, minutes, & seconds)

LONGITUDE (degrees, minutes, & seconds)

See Maps A thru F

4	3	0	4	4	5	0
65	66	67	68	69	70	71

0	7	9	0	0	3	0	0
72	73	74	75	76	77	78	79

VIII. FACILITY OWNER

☒ A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items: (see note bottom this page)

1. NAME OF FACILITY'S LEGAL OWNER

2. PHONE NO. (area code)

3. STREET OR P.O. BOX

4. CITY OR TOWN

5. ST.

6. ZIP CODE

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

A. NAME (print or type)

B. SIGNATURE

C. DATE SIGNED

Milo D Harrison

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

A. NAME (print or type)

B. SIGNATURE

C. DATE SIGNED

0-20-85

101

(fill-in areas are spaced for elite type, i.e., 12 character width).

Form Approved OMB No. 158-S80004

FORM 3	U.S. ENVIRONMENTAL PROTECTION AGENCY HAZARDOUS WASTE PERMIT APPLICATION Consolidated Permits Program (This information is required under Section 3005 of RCRA.)	I. EPA I.D. NUMBER F N Y D 0 0 0 8 2 4 4 8 2 T/A/C 1
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FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED (yr., mo., & day)	COMMENTS

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item I above.

A. FIRST APPLICATION (place an "X" below and provide the appropriate date)

- ☐ 1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.)

- ☐ 2. NEW FACILITY (Complete item below.)

FOR EXISTING FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left)

FOR NEW FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR IS EXPECTED TO BEGIN

B. REVISED APPLICATION (place an "X" below and complete item I above)

- ☒ 1. FACILITY HAS INTERIM STATUS

- ☐ 2. FACILITY HAS A RCRA PERMIT

III. PROCESSES - CODES AND DESIGN CAPACITIES

A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided on the form (Item III-C).

B. PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process.

1. AMOUNT - Enter the amount.

2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PRO- CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	PROCESS	PRO- CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:			Treatment:		
CONTAINER (barrel, drum, etc.)	S01	GALLONS OR LITERS	TANK	T01	GALLONS PER DAY OR LITERS PER DAY
TANK	S02	GALLONS OR LITERS		T02	GALLONS PER DAY OR LITERS PER DAY
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS	SURFACE IMPOUNDMENT	T03	TONS PER HOUR OR METRIC TONS PER HOUR
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS	INCINERATOR	T04	GALLONS PER HOUR OR LITERS PER HOUR
Disposal:			OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Item III-C.)		
INJECTION WELL	D79	GALLONS OR LITERS			
LANDFILL	D80	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER			
LAND APPLICATION	D81	ACRES OR HECTARES			
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY			
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS			
UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G	LITERS PER DAY	V	ACRE-FEET	A
LITERS	L	TONS PER HOUR	D	HECTARE-METER	F
CUBIC YARDS	Y	METRIC TONS PER HOUR	W	ACRES	B
CUBIC METERS	C	GALLONS PER HOUR	E	HECTARES	G
GALLONS PER DAY	U	LITERS PER HOUR	H		

EXAMPLE FOR COMPLETING ITEM III (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

C		DUP		T/A/C	1		
LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY	FOR OFFICIAL USE ONLY
		1. AMOUNT (specify)				1. AMOUNT	
		2. UNIT OF MEASURE (enter code)				2. UNIT OF MEASURE (enter code)	
X-1	S 0 2	600	G	5			
X-2	T 0 3	20	E	6			
1	S 0 1	55130	G	7			
2	S 0 2	109834	G	8			
3	T 0 3	330	E	9			
4				10			

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

IV. DESCRIPTION OF HAZARDOUS WASTES

- A. EPA HAZARDOUS WASTE NUMBER** — Enter the four-digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.
- B. ESTIMATED ANNUAL QUANTITY** — For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.
- C. UNIT OF MEASURE** — For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE **CODE**
 POUNDS..... P
 TONS..... T

METRIC UNIT OF MEASURE **CODE**
 KILOGRAMS..... K
 METRIC TONS..... M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES**1. PROCESS CODES:**

For listed hazardous wastes: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

Notes: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER — Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

- Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
- In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
- Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) — A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2				included with above

Continued from page 1
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

Form Approved OMB No. 158-S8000-1

EPA I.D. NUMBER (enter from page 1)												FOR OFFICIAL USE ONLY											
W	N	Y	D	0	0	0	8	2	4	4	8	2	W	DUP									

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES											
				1. PROCESS CODES (enter)											
				2. PROCESS DESCRIPTION (If a code is not entered in D(1))											
1	D 0 0 0	38000 MN	P	S 0 1											
2	D 0 0 0	1110000	P	S 0 2											
3	D 0 0 1	239500	P	S 0 1											
4	D 0 0 1	5777000	P	S 0 2 T 0 3											
5	D 0 0 1	950000	P	S 0 2											
6	D 0 0 2												Included with above		
7	D 0 0 1	150000	P	S 0 2 T 0 3											
8	D 0 0 3												Included with above		
9	D 0 0 2	192500	P	S 0 1											
10	D 0 0 2	10050000	P	S 0 2											
11	D 0 0 2	134000	P	S 0 1											
12	D 0 0 3												Included with above		
13	D 0 0 3	7000	P	S 0 1											
14	D 0 0 3	1682000	P	S 0 2 T 0 3											
15	D 0 0 4	75000 A	P	S 0 1											
16	D 0 0 9	100000	P	S 0 1											
17	D 0 1 3	35000 A	P	S 0 1											
18	F 0 0 1	3000	P	S 0 1											
19	F 0 0 2	5000	P	S 0 1											
20	F 0 0 3	5000	P	S 0 1											
21	F 0 0 5	1500	P	S 0 1											
22	K 0 7 1	900000	P	S 0 1											
23	K 0 7 3	240000 A	P	S 0 2 T 0 3											
24	F 0 5 0	13000	P	S 0 1											
25	F 1 0 6	400 A	P	S 0 1											
26	F 1 2 3	4000 A	P	S 0 1											

Continued from page 1
NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

Form Approved OMB No. 158-S80004

EPA I.D. NUMBER (enter from page 1)
W N Y D 0 0 0 8 2 4 4 8 2 1

FOR OFFICIAL USE ONLY
W DUP 2 DUP

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES											
				1. PROCESS CODES (enter)						2. PROCESS DESCRIPTION (if a code is not entered in D(1))					
1	U 0 0 3	3000	P	S	0	1									
2	U 1 2 9	55000	P	S	0	1									
3	U 1 3 0	227000	P	S	0	1									
4	U 1 4 7	5000	P	S	0	1									
5	U 2 0 7	9500	P	S	0	1									
6	U 2 1 1	100000	P	S	0	1									
7	F 0 2 0	46000	P	S	0	1									
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															
25															
26															

Continued from the front.

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.

EPA I.D. NO. (enter from page 1)											
1	2	3	4	5	6	7	8	9	10	11	12
F	N	Y	D	0	0	0	8	2	4	4	8
										T/A	C
										6	

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

VI. PHOTOGRAPHS

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

VII. FACILITY GEOGRAPHIC LOCATION

LATITUDE (degrees, minutes, & seconds)												LONGITUDE (degrees, minutes, & seconds)											
43 04 45												79 00 30											

VIII. FACILITY OWNER

☒ A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER												2. PHONE NO. (area code & no.)											
E																							
3. STREET OR P.O. BOX												4. CITY OR TOWN											
F												G											
												5. ST. 6. ZIP CODE											

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type) J F Riordan Executive Vice President	B. SIGNATURE <i>J.F. Riordan</i>	C. DATE SIGNED 6/20/85
--	-------------------------------------	---------------------------

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type) J F Riordan Executive Vice President	B. SIGNATURE <i>J.F. Riordan</i>	C. DATE SIGNED 6/20/85
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Table A-1

CONTAINERIZED WASTES

ASSOCIATED HAZARDS AND BASIS FOR HAZARD DESIGNATION

<u>Waste Description</u>	<u>Hazard Designation</u>	<u>Basis for Hazard Designation</u>
BA-241 Spent Carbon with TCDD	F020 Acute Hazardous	Waste is listed Part 261.31

PART II - SECTION B
CONTAINERS AND TANKS

TABLE OF CONTENTS

B-1 Containers

- 1.1 Container Specification
- 1.2 Management Practices
- 1.3 Containment Design/Operation
- 1.4 Waste Storage Locations
- 1.5 Incompatibility Prevention
- 1.6 Aisle Space Provisions
- 1.7 Waste Solidification
- 1.8 Contained Compatibility
- 1.9 Detailed Drawings
- 1.10 N-Area Pad
- 1.11 U-67 PCB Storage Areas
- 1.12 V-68 TCDD Storage Area

B-2 Tanks

- 2.1 General
 - 2.1.1 Tank Corrosion, Erosion and Compatibility
 - 2.1.2 Minimum Thickness
 - 2.1.3 Tank Management Practice
 - 2.1.4 Tank Inspections
- 2.2 PCBTC Waste Storage
- 2.3 PCBTF Waste Storage
- 2.4 Benzoyl, 3,5 DCBOC & BTC Waste Storage
- 2.5 Dechlorane Plus Waste Storage
- 2.6 Pentac Mother Lilquor Waste Storage
- 2.7 Raw Gas Catchalls
- 2.8 BTC and PCBTC Waste Storage
- 2.9 MCT Waste Storage
- 2.10 Pentac Acid Wash Storage
- 2.11 Waste Sulfuric Acid Storage

B-1. CONTAINERS

1.11 U-67 PCB Storage Pads

There are 3 PCB container storage areas located in Building U-67. One area is on the 3rd floor and two are on the 2nd floor. All areas are diked with leakproof and corrosion resistant liners. Data Sheets P17, P19 and P20 are attached to describe these areas. Also included is sketch P-18 which shows the 3rd floor area and Drawing 6503-B (P-21) which shows both 2nd floor areas. Containment volume calculations have also been included for each area.

The 3rd floor area will be used to store any PCB waste that is removed from electrical service by our Utilities people. This will include mainly PCB capacitors, (See Table A-1b), and spill cleanup debris (i.e. soil, rags, clothing). PCB oil that is drained, and flush solvents will normally be sent directly to disposal, however, there is always the possibility that these liquids may be stored here. This pad meets both RCRA and TSCA regulation requirements. This pad is currently inspected weekly which is in excess of TSCA requirements and will continue to be so inspected.

The two 2nd floor areas will be used to store any spent carbon from our Calgon Carbon Wastewater Treatment Unit that is found to contain in excess of 50 ppm PCB. Some of this carbon may also be contaminated with TCDD. This waste will be solid carbon which is essentially liquid free and as such, these drums will be stacked in two layers with pallets, under each of the layers. The pallets between the drum layers and at the ground level will permit better inspection of each drum and will reduce the chance of cross contamination from the upper drum layer to the lower one should a leak develop in an upper layer drum. Due to the presence of TCDD, it is expected that these materials will be in storage for quite sometime and thus, the added volume obtained by double stacking is needed.

To reduce the possibility of contamination of drums in the lower layer by leaks from upper layer drums, double stacking will not begin until both pads are full at a single layer.

Note: Should no disposal outlet exist for TCDD - contaminated carbon at a time in the future when the storage capacity of the two 2nd floor pads has been reached, the 3rd floor pad will begin to be used for carbon storage.

DATA SHEET HAZARDOUS WASTE CONTAINER

STORAGE PADS

DESIGNATION: U-67 3rd Floor PCB Storage Pad

ILLUSTRATION: P18

LOCATION: SE corner of 3rd Floor Bldg U-67

DESCRIPTION: Epoxy treated leakproof reinforced concrete pad with 6" curb walls. A steel ramp is provided for entry over the curb. No sump is provided as the pad is located indoors.

SIZE: 30'-10" x 15'-3"

RUN-ON/DRAINAGE CONTROL: None required as the pad is indoors on 3rd floor

LARGEST CONTAINER: 55 gal drum

MAXIMUM STORED VOLUME: 4620 gal

CONSISTING OF: 3 rows of 7 pallets (4 drums/pallet)
3 x 7 x 4 x 55 gal = 4620 gal

CONTAINMENT CAPACITY: 1741.95 gal

37.7% of maximum storage volume

REMOVAL METHOD FOR
ACCUMULATED LIQUID: Absorb in speedi-dry, cleanup and drum

U-67 3rd Floor PCB Storage Pad
Required Containment Volume

- 1) Assuming all drums are 22"OD and allowing 1/2" on either side, then the maximum diameter of each drum is 23".
 - a) Maximum drums storable (packed tight) would be:
 $30'10"/23"$ per drum = 16.08 drums so use 16 wide and
 $15'3"/23"$ per drum = 7.95 drums so use 7 drums deep.
Further you lose room for 3 drums due to the building pillars on the east wall thus: $(16 \times 7) - 3 = 115$ drums maximum storage capacity.
 - b) RCRA inspections require aisle space, however, so the drums will be stored on pallets (4 drums per pallet). Thus the storage area will only accommodate 7 rows of 3 pallets each thus $7 \times 3 = 84$ drums.
- 2) Containment available:
 $(30'10" \times 15'3") - (5" \times 18" + 18" \times 26" + 5" \times 18") =$
 $(470.203 \text{ sq.ft.}) - (.626 + 3.251 + .626) = 465.7 \text{ sq.ft.}$
As the curb wall height is 6" then the volume would be:
 $(6"/12" \text{ ft}) \times 465.7 \text{ sq.ft.} \times 7.481 = 1741.95 \text{ gal.}$
- 3) Containment required per the PCB regs (761.42 (b)(1)(ii)).
 - a) 2 times the volume of the largest container:
 $2 \times 55 \text{ gal} = 110 \text{ gallons}$ or
 - b) 25% of the sum of all the container volumes:
 $\text{maximum } 115 \text{ drums} \times 55 \text{ gals} \times .25 = 1581.25 \text{ gallons}$
- 4) Containment required per the RCRA regs (264.175 (b)(3)).
10% of the sum of all container volumes:
 $\text{RCRA max } 84 \text{ drums} \times 55 \text{ gals} \times .10 = 462 \text{ gallons}$
- 5) Thus the storage area will store:
110% of the 25% of the max container volume. (Meets the PCB regs)
37.7% of the Max RCRA storage volume. (meets RCRA regs)



CLEAR
WIRE
GLASS
VISION
LIGHTS

"1" - "1"

KALAMEIN



14 GA. STL. PLATES
4'-0" HIGH x 3'-8" WIDE
ON PUSH SIDE

"D"

DOOR TYPES

PE: 42087 - ADDED CURBS & TOPPING COLLINES C-D, 3-T (12-26-87)

BLD'G

67

68

SECOND FLOOR PLAN

NIAGARA ALKALI COMPANY

NIAGARA FALLS, N. Y.

PE: 42087

12/24

ACCEPTED: 3/25/82

JUN 07 1985

Remove from 18

7/10/82

DR. JRS

DOOR NOTE ADDED.

7/23/82

TR

DIM. ADDED.

6-16-82

ENR. RWH

MRS. REC. ADDED.

5-20-82

DATE 2-1-83

OFFICE OF
J. FRUCHTBAUM
CONSULTING ENGINEER
BUFFALO, N. Y.

JOB NO.
4019
4020

SHEET NO.
1A-8



5348-B
5349-B

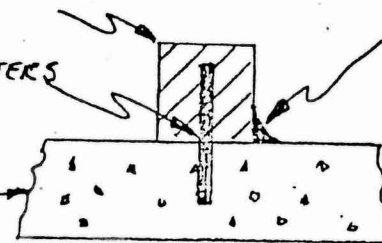
NEW 6"x6" CONCRETE CURB

1/2" DOWELS @ 12" CENTERS
GROUTED INTO FLOOR

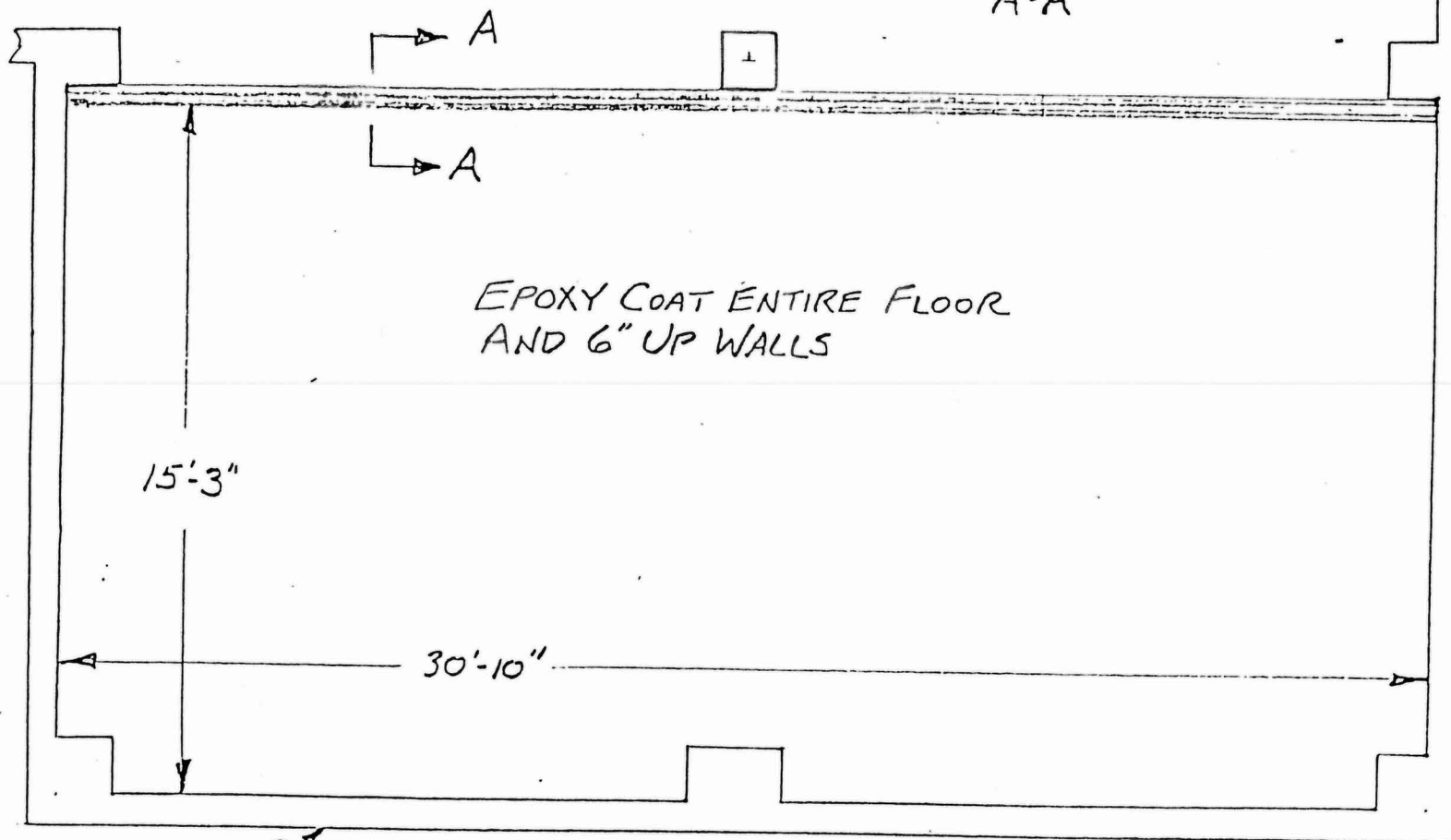
EXISTING FLOOR

EPOXY GROUT BETWEEN
FLOOR & WALL ALL AROUND

NOTE: SCARIFY FLOOR
BEFORE POURING CURB



A-A



EPOXY COAT ENTIRE FLOOR
AND 6" UP WALLS

15'-3"

30'-10"

EXISTING CONCRETE
BLOCK WALLS

BLD'G U-67
3RD FLOOR

P18



6-1-79 JMA

SK1

DATA SHEET HAZARDOUS WASTE CONTAINER

STORAGE PADS

DESIGNATION: U-67 2nd floor south PCB storage pad

ILLUSTRATION: P-21

LOCATION: NE corner of Bldg U-67 S on 2nd floor

DESCRIPTION: Fiberglass reinforced Polyester coated, leak proof concrete pad with 1 ft. reinforced curbs. Concrete ramps are provided for entry over the curb. No sump is provided as pad is indoors.

SIZE: 31' 8" x 15' 4"

RUN-ON/DRAINAGE CONTROL: None required as the pad is indoors on the 2nd floor

LARGEST CONTAINER: 55 gal drum

MAXIMUM STORED VOLUME: 9240 gal

CONSISTING OF: 3 rows of 7 pallets (4 drums/pallet) 2 pallets high
3 x 7 x 4 x 55 gal x 2 = 9240 gal

CONTAINMENT CAPACITY: 3433.18 gal

37.2% of maximum RCRA storage volume

REMOVAL METHOD FOR ACCUMULATED LIQUID: Absorb in speedi-dry, cleanup and drum

U-67 2nd Floor PCB Storage Pad - South
Required Containment Volume

- 1) Assuming all drums are 22"OD and allowing 1/2" on either side, then the maximum diameter of each drum is 23".
 - a) Maximum drums storable (packed tight) would be:
 $31' 8" / 23" \text{ per drum} = 16.51 \text{ drums so use 16 wide and}$
 $15' 4" / 23" \text{ per drum} = 7.99 \text{ drums so use 7 drums deep.}$
Further you lose room for 2 drums in the SE corner and 1 drum in the NE corner, thus: $(16 \times 7) - 3 = 115 \times 2 \text{ layers high} = 230 \text{ drums.}$
 - b) RCRA inspections require aisle space, however, so the drums will be stored on pallets (4 drums per pallet). Thus the storage area will only accomodate 7 rows of 3 pallets each 2 layers high thus:
 $(7 \times 3 \times 4 \times 2) = 168 \text{ drums}$
- 2) Containment available: (Curb height is 1')
 $(1' \times 31' 8" \times 15' 4") - (1' \times 2' \times 4' + 1' \times .42' \times 1.5' + 1/2(1' \times 6' \times 6')) =$
 $(485.55 \text{ cu.ft.}) - (8 + .63 + 18) = 458.92 \text{ cu.ft.}$
 $458.55 \text{ cu.ft.} \times 7.481 = 3433.18 \text{ gallons.}$
- 3) Containment required per the PCB regs (761.42 (b)(1)(ii)).
 - a) 2 times the volume of the largest container:
 $2 \times 55 \text{ gal} = 110 \text{ gallons or}$
 - b) 25% of the sum of all the container volumes:
 $\text{maximum } 230 \text{ drums} \times 55 \text{ gals} \times .25 = 3162.5 \text{ gallons}$
- 4) Containment required per the RCRA regs (264.175 (b)(3)).
10% of the sum of all container volumes:
 $\text{RCRA max } 168 \text{ drums} \times 55 \text{ gals} \times .10 = 924 \text{ gallons}$
- 5) Thus the storage area will store:
108% of the 25% of the max container volume. (Meets the PCB regs)
37.2% of the Max RCRA storage volume. (meets RCRA regs)

DATA SHEET HAZARDOUS WASTE CONTAINER

STORAGE PADS

DESIGNATION: U-67 2nd Floor North PCB Storage Pad

ILLUSTRATION NUMBER: P-21

LOCATION: SE corner of Bldg U-67 N on the 2nd floor

DESCRIPTION: Fiberglass reinforced polyester coated, leak proof concrete pad with 1 ft. reinforced curbs. Concrete ramps are provided for entry over the curb. No sump is provided as the pad is indoors.

SIZE: 28' 9-1/2" x 15' 4"

RUN-ON/DRAINAGE CONTROL: None required as the pad is indoors on the 2nd floor

LARGEST CONTAINER: 55 gal drum

MAXIMUM STORED VOLUME: 9240 gal

CONSISTING OF: 3 rows of 7 pallets (4 drums/pallet) 2 pallets high
3 x 7 x 4 x 55 gal x 2 = 9240 gal

CONTAINMENT CAPACITY: 3045.42 gal

33% of maximum RCRA storage volume

REMOVAL METHOD FOR ACCUMULATED LIQUID: Absorb in speedi-dry, cleanup and drum

U-67 2nd Floor PCB Storage Pad - North
Required Containment Volume

- 1) Assuming all drums are 22"OD and allowing 1/2" on either side, then the maximum diameter of each drum is 23".
 - a) Maximum drums storable (packed tight) would be:
 $28'9\frac{1}{2}"/23"$ per drum = 15.02 drums so use 15 wide and
 $15'4"/23"$ per drum = 7.99 drums so use 7 drums deep.
Further you lose room for 6 drums in the NE corner and 1 drum in the SE corner thus: $(15 \times 7) - 6 - 1 = 98 \times 2$ layers high = 196 drums.
 - b) RCRA inspections require aisle space, however, so the drums will be stored on pallets (4 drums per pallet). Thus the storage area will only accommodate 7 rows of 3 pallets each 2 layers high thus:
 $(7 \times 3 \times 4 \times 2) = 168$ drums
- 2) Containment available: (Curb height is 1')
 $(1' \times 28'9.5" \times 15'4") - (1' \times 3.5' \times 4.5' + 1' \times .42' \times 1.5' + 1/2(1' \times 6' \times 6')) =$
 $(441.47 \text{ cu.ft.}) - (15.75 + .63 + 18) = 407.09 \text{ cu.ft.}$
 $407.09 \text{ cu.ft.} \times 7.481 = 3045.42 \text{ gallons.}$
- 3) Containment required per the PCB regs (761.42 (b)(1)(ii)).
 - a) 2 times the volume of the largest container:
 $2 \times 55 \text{ gal} = 110 \text{ gallons or}$
 - b) 25% of the sum of all the container volumes:
 $\text{maximum } 196 \text{ drums} \times 55 \text{ gals} \times .25 = 2695.00 \text{ gallons}$
- 4) Containment required per the RCRA regs (264.175 (b)(3)).
10% of the sum of all container volumes:
 $\text{RCRA max } 168 \text{ drums} \times 55 \text{ gals} \times .10 = 924 \text{ gallons}$
- 5) Thus the storage area will store:
113% of the 25% of the max container volume. (Meets the PCB regs)
.33% of the Max RCRA storage volume. (meets RCRA regs)

1.12 V-68 TCDD Storage Area

As a result of the recent publishing of the TCDD Final Rule under RCRA, a temporary TCDD storage area was set up in March 1985, in building V-68. This area consists of a warehouse building with a concrete floor. Plastic sheets have been placed over the building floor and sand bags have been used to form dike walls. Several sealed 1000 gallon steel boxes containing spent carbon with TCDD and less than 50 ppm PCB are stored here. Also stored in a 2nd temporary storage area are 316 55 gallon drums of filtered mud contaminated with TCDD and PCB. All wastes stored are in the solid form.

These temporary areas will be used for storage while a permanent facility is designed and constructed. The design will be submitted under a separate letter once it is completed (see attached Request for Engineering Assistance which initiated the project).

In the interim, this area will be inspected weekly per the inspection plan and the containers will be managed per section B-1 (1.2) of this section. Further, all container marking and labeling requirements per RCRA and the PCB regulations will be met.

REQUEST FOR ENGINEERING ASSISTANCE
PROJECT ENGINEERING

TITLE: TCDD WASTE Storage PAD

DESCRIPTION:

Provide an indoor Containers
Storage pad to hold PCB & TCDD
contaminated solid waste drums
& Containers.

PAD must meet all RCRA & PCB
regulation criteria. (SEE Attached)

This new area is required due to
the newly passed regulation of TCDD
Waste under RCRA.

REA NO. 52074

DATE: _____

TYPE OF SERVICE REQUESTED:

ESTIMATING _____

ORDER OF MAGNITUDE _____

BUDGET _____

DEFINITIVE X

ENGINEERING DRAWINGS _____

OTHER _____

DEGREE OF URGENCY:

HIGH REQUESTED X

NORMAL _____

LOW _____

ASSIGNED X

DESIRED COMPLETED DATE July 1, 1985

WORK TO BE CHARGED TO:

OPERATIONAL

CHARGE NO. 11-297-XX-583

LOC. NO. ~~71-530~~ 71-530

CAPITAL

CHARGE NO. _____

W. O. NO. _____

JOB NO. _____

AUTHORIZATION:

Robert H. Simonington
ORIGINATOR
(OR CONTACT MAN)

6/7/85
DATE

[Signature]
APPROVAL
(IF REQUIRED)

6/7/85
DATE

COPIES OF REPORT TO: (DO NOT USE INITIALS)

R. Simonington

J. Czaplak

K. Carlson

ACKNOWLEDGMENT:

REA NO. 52074

ENGR. ASSIGNED: J. Thornton

TARGET DATE: _____

[Signature]
SUPERVISING ENGR.

6/20/85
DATE

COPIES TO:

LIST + VIL, GSK, RFA Files

MLT. 11-1475 Rev. 4/78

(DO NOT USE INITIALS)

Proof of the presence of CDD or CDF exists if the following conditions are met:

11.3.1 The retention time of the peak in the sample must match that in the standard, within the performance specifications of the analytical system.

11.3.2 The ratio of ions must agree within 10% with that of the standard.

11.3.3 The retention time of the peak maximum for the ions of interest must exactly match that of the peak.

11.4 Quantitate the CDD and CDF peaks from the response relative to the ^{35}Cl -TCDD/F internal standards. Recovery of the internal standard should be greater than 50 percent.

11.5 If a response is obtained for the appropriate set of ions, but is outside the expected ratio, a co-eluting impurity may be suspected. In this case, another set of ions characteristic of the CDD/CDF molecules should be analyzed. For TCDD a good choice of ions is m/e 257 and m/e 259. For TCDF a good choice of ions is m/e 241 and 243. These ions are useful in characterizing the molecular structure to TCDD or TCDF. For analysis of TCDD good analytical technique would require using all four ions, m/e 257, 320, 322, and 328, to verify detection and signal to noise ratio of 5 to 1. Suspected impurities such as DDE, DDD, or PCB residues can be confirmed by checking for their major fragments. These materials can be removed by the cleanup columns. Failure to meet criteria should be explained in the report, or the sample reanalyzed.

11.6 If broad background interference restricts the sensitivity of the GC/MS analysis, the analyst should employ cleanup procedures and reanalyze by GC/MS. See section 10.0.

11.7 In those circumstances where these procedures do not yield a definitive conclusion, the use of high resolution mass spectrometry is suggested.

12. Calculations

12.1 Determine the concentration of individual compounds according to the formula:

$$\text{Concentration, } \mu\text{g/gm} = \frac{A \times A_s}{G \times A_u \times R_i}$$

where:

A = μg of internal standard added to the sample

G = gm of sample extracted

A_s = area of characteristic ion of the compound being quantified.

A_u = area of characteristic ion of the internal standard

R_i = response factor

* The proper amount of standard to be used is determined from the calibration curve (See Section 8.0).

* If standards for PCDDs/Fs and HxCDDs/Fs are not available, response factors for ions derived from these congeners are calculated relative to ^{35}Cl -TCDD/F. The analyst may use response factors for 1,2,3,4- or 2,3,7,8-TCDD, 1,2,3,4,7-PeCDD, or 1,2,3,4,7,8-HxCDD for quantitation of TCDDs/Fs, PeCDDs/Fs and HxCDDs/Fs, respectively. Implicit in this requirement is the assumption that the same response is obtained from PCDDs/Fs containing the same numbers of chlorine atoms.

Response factors are calculated using data obtained from the analysis of standards according to the formula:

$$R_i = \frac{A_s \times C_u}{A_u \times C_s}$$

where:

C_s = concentration of the internal standard

C_u = concentration of the standard compound

12.2 Report results in micrograms per gram without correction for recovery data. When duplicate and spiked samples are analyzed, all data obtained should be reported.

12.3 Accuracy and Precision. No data are available at this time.

TABLE 1.—GAS CHROMATOGRAPHY OF TCDD

Column	Retention time (min.)	Detection limit ($\mu\text{g/kg}$) ¹
Glass capillary	9.5	0.003

TABLE 3.—LIST OF ACCURATE MASSES MONITORED USING GC SELECTED-ION MONITORING, LOW RESOLUTION, MASS SPECTROMETRY FOR SIMULTANEOUS DETERMINATION OF TETRA-, PENTA-, AND HEXACHLORINATED DIBENZO-*p*-DIOXINS AND DIBENZOFURANS

Class of chlorinated dibenzodioxin or dibenzofuran	Number of chlorine substituents (x)	Monitored m/z for dibenzodioxins $\text{C}_{12}\text{H}_{8-x}\text{O}_2$	Monitored m/z for dibenzofurans $\text{C}_{12}\text{H}_{7-x}\text{OCl}_x$	Approximate theoretical ratio expected on basis of isotopic abundance
Tetra	4	319.897 321.894 327.885 256.833	303.902 305.903 311.894	0.74 1.00
Penta	5	258.930 363.858	337.863	0.21 0.20
Hexa	6	365.855 369.816 381.813	326.860 373.821 375.818	0.57 1.00 0.87

¹ Molecular ion peak.

² Cl—labelled standard peaks.

³ Ions which can be monitored in TCDD analyses for confirmation purposes

PART 264—STANDARDS FOR OWNERS AND OPERATORS OF HAZARDOUS WASTE TREATMENT, STORAGE, AND DISPOSAL FACILITIES

12. The authority citation for Part 264 reads as follows:

Authority: Secs. 1006, 2002(a), 3004, and 3005 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act of 1976, as amended (42 U.S.C. 6905, 6912(a), 6924, and 6925).

13. In Subpart I of Part 264, the introductory text in paragraph (c) is revised and a new paragraph (d) is added to § 264.175:

§ 264.175 Containment.

(c) Storage areas that store containers holding only wastes that do not contain

free liquids need not have a containment system defined by paragraph (b) of this section, except as provided by paragraph (d) of this section or provided that:

(d) Storage areas that store containers holding the wastes listed below that do not contain free liquids must have a containment system defined by paragraph (b) of this section:

(1) FO20, FO21, FO22, FO23, FO26, and FO27.

(2) [Reserved]

14. In Subpart J of Part 264, amend § 264.194 by redesignating paragraph (c) as paragraph (c)(1), and adding a new paragraph (c)(2):

§ 264.194 Inspections.

¹ Detection limit for liquid samples is 0.003 $\mu\text{g/l}$. This is calculated from the minimum detectable GC response being equal to five times the GC background noise assuming a 1 ml effective final volume of the 1 liter sample extract and a GC injection of 5 microliters. Detection levels apply to both electron capture and GC/MS detection. For further details see 44 FR 89526 (December 3, 1979).

TABLE 2.—DFTPP KEY IONS AND ION ABUNDANCE CRITERIA¹

Mass	Ion abundance criteria
51	30–80% of mass 196
68	Less than 2% of mass 69
70	Less than 2% of mass 69
127	40–60% of mass 196
197	Less than 1% of mass 196
198	Base peak, 100% relative abundance
199	5–6% of mass 196
275	10–30% of mass 196
385	Greater than 1% of mass 196
441	Present but less than mass 443
442	Greater than 40% of mass 196
443	17–23% of mass 442

¹ J. W. Eichberger, L. E. Hama, and W. L. Budde, 1975. Reference compound to calibrate ion abundance measurement in gas chromatography-mass spectrometry. Analytical Chemistry 47:995.

monitoring activities conducted pursuant to paragraph (b)(6) of this section.

(4) *Waivers.* An owner or operator of a chemical waste landfill may submit evidence to the Regional Administrator that operation of the landfill will not present an unreasonable risk of injury to health or the environment from PCBs when one or more of the requirements of paragraph (b) of this section are not met. On the basis of such evidence and any other available information, the Regional Administrator may in his discretion find that one or more of the requirements of § 761.41(b) is not necessary to protect against such a risk and may waive the requirements in any approval for that landfill. Any finding and waiver under this paragraph will be stated in writing and included as part of the approval.

(5) *Persons Approved.* Any approval will designate the persons who own and who are authorized to operate the chemical waste landfill, and will apply only to such persons, except as provided by paragraph (7) below.

(6) *Final Approval.* Approval of a chemical waste landfill will be in writing and will be signed by the Regional Administrator. The approval will state all requirements applicable to the approved landfill.

(7) *Transfer of Property.* Any person who owns or operates an approved chemical waste landfill must notify EPA at least 30 days before transferring ownership in the property or transferring the right to conduct the chemical waste landfill operation. The transferor must also submit to EPA, at least 30 days before such transfer, a notarized affidavit signed by the transferee which states that the transferee will abide by the transferor's EPA chemical waste landfill approval. Within 30 days of receiving such notification and affidavit, EPA will issue an amended approval substituting the transferee's name for the transferor's name, or EPA may require the transferee to apply for a new chemical waste landfill approval. In the latter case, the transferee must abide by the transferor's EPA approval until EPA issues the new approval to the transferee.

Annex III

§ 761.42 Storage for disposal.

(a) Any PCB Article or PCB Container stored for disposal before January 1, 1983, shall be removed from storage and disposed of as required by this Part before January 1, 1984. Any PCB Article or PCB Container stored for disposal after January 1, 1983, shall be removed

from storage and disposed of as required by Subpart B within one year from the date when it was first placed into storage.

(b) Except as provided in paragraph (c) of this section, after July 1, 1978, owners or operators of any facilities used for the storage of PCBs and PCB Items designated for disposal shall comply with the following requirements:

(1) The facilities shall meet the following criteria:

(i) Adequate roof and walls to prevent rain water from reaching the stored PCBs and PCB Items;

(ii) An adequate floor which has continuous curbing with a minimum six inch high curb. The floor and curbing must provide a containment volume equal to at least two times the internal volume of the largest PCB Article or PCB Container stored therein or 25 percent of the total internal volume of all PCB Articles or PCB Containers stored therein, whichever is greater;

(iii) No drain valves, floor drains, expansion joints, sewer lines, or other openings that would permit liquids to flow from the curbed area;

(iv) Floors and curbing constructed of continuous smooth and impervious materials, such as Portland cement concrete or steel, to prevent or minimize penetration of PCBs; and

(v) Not located at a site that is below the 100-year flood water elevation.

(c)(1) The following PCB Items may be stored temporarily in an area that does not comply with the requirements of paragraph (b) for up to thirty days from the date of their removal from service, provided that a notation is attached to the PCB Item or a PCB Container (containing the item) indicating the date the item was removed from service:

(i) Non-leaking PCB Articles and PCB Equipment;

(ii) Leaking PCB Articles and PCB Equipment if the PCB Items are placed in a non-leaking PCB Container that contains sufficient sorbent materials to absorb any liquid PCBs remaining in the PCB Items;

(iii) PCB Containers containing non-liquid PCBs such as contaminated soil, rags, and debris; and

(iv) PCB Containers containing liquid PCBs at a concentration between 50 and 500 ppm, provided a Spill Prevention, Control and Countermeasure Plan has been prepared for the temporary storage area in accordance with 40 CFR 112. In addition, each container must bear a notation that indicates that the liquids in the drum do not exceed 500 ppm PCB.

(2) Non-leaking and structurally undamaged PCB Large High Voltage Capacitors and PCB-Contaminated

Transformers that have not been drained of free flowing dielectric fluid may be stored on pallets next to a storage facility that meets the requirements of paragraph (b) until January 1, 1983. PCB-Contaminated Transformers that have been drained of free flowing dielectric fluid are not subject to the storage provisions of Annex III. Storage under this subparagraph will be permitted only when the storage facility has immediately available unfilled storage space equal to 10 percent of the volume of capacitors and transformers stored outside the facility. The capacitors and transformers temporarily stored outside the facility shall be checked for leaks weekly.

(3) Any storage area subject to the requirements of paragraph (b) or subparagraph (c)(1) of this section shall be marked as required in Subpart C—§ 761.20(a)(10).

(4) No item of movable equipment that is used for handling PCBs and PCB Items in the storage facilities and that comes in direct contact with PCBs shall be removed from the storage facility area unless it has been decontaminated as specified in Annex IV, § 761.43.

(5) All PCB Articles and PCB Containers in storage shall be checked for leaks at least once every 30 days. Any leaking PCB Articles and PCB Containers and their contents shall be transferred immediately to properly marked non-leaking containers. Any spilled or leaked materials shall be immediately cleaned up, using sorbents or other adequate means, and the PCB-contaminated materials and residues shall be disposed of in accordance with § 761.10(a)(4).

(6) Except as provided in subparagraph (7) below, any container used for the storage of liquid PCBs shall comply with the Shipping Container Specification of the Department of Transportation (DOT), 49 CFR 178.80 (Specification 5 container without removable head), 178.82 (Specification 5B container without removable head), 178.102 (Specification 6D overpack with Specification 2S(§ 178.35) or 2SL(§ 178.35a) polyethylene containers) or 178.118 (Specification 17E container). Any container used for the storage of non-liquid PCBs shall comply with the specifications of 49 CFR 178.80 (Specification 5 container), 178.82 (Specification 5B container) or 178.115 (Specification 17C container). As an alternate, containers larger than those specified in DOT Specifications 5, 5B, or 17C may be used for non-liquid PCBs if the containers are designed and constructed in a manner that will

emptied from a container the residue remaining in the container is not considered a hazardous waste if the container is "empty" as defined in § 261.7. In that event, management of the container is exempt from the requirements of this Subpart.]

§ 264.171 Condition of containers.

If a container holding hazardous waste is not in good condition (e.g., severe rusting, apparent structural defects) or if it begins to leak, the owner or operator must transfer the hazardous waste from this container to a container that is in good condition or manage the waste in some other way that complies with the requirements of this Part.

§ 264.172 Compatibility of waste with containers.

The owner or operator must use a container made of or lined with materials which will not react with, and are otherwise compatible with, the hazardous waste to be stored, so that the ability of the container to contain the waste is not impaired.

§ 264.173 Management of containers.

(a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste.

(b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.

[Comment: Reuse of containers in transportation is governed by U.S. Department of Transportation regulations including those set forth in 49 CFR 173.28.]

§ 264.174 Inspections.

At least weekly, the owner or operator must inspect areas where containers are stored, looking for leaking containers and for deterioration of containers and the containment system caused by corrosion or other factors.

[Comment: See §§ 264.15(c) and 264.171 for remedial action required if deterioration or leaks are detected.]

§ 264.175 Containment.

[Revised by 46 FR 51112, November 6, 1981]

(a) Container storage areas must have a containment system that is designed and operated in accordance with paragraph (b) of this section, except as otherwise provided by paragraph (c) of this section.

(b) A containment system must be designed and operated as follows:

(1) A base must underlie the containers which is free of cracks or

gaps and is sufficiently impervious to contain leaks, spills, and accumulated precipitation until the collected material is detected and removed;

(2) The base must be sloped or the containment system must be otherwise designed and operated to drain and remove liquids resulting from leaks, spills, or precipitation, unless the containers are elevated or are otherwise protected from contact with accumulated liquids;

(3) The containment system must have sufficient capacity to contain 10% of the volume of containers or the volume of the largest container, whichever is greater. Containers that do not contain free liquids need not be considered in this determination;

(4) Run-on into the containment system must be prevented unless the collection system has sufficient excess capacity in addition to that required in paragraph (b)(3) of this section to contain any run-on which might enter the system; and

(5) Spilled or leaked waste and accumulated precipitation must be removed from the sump or collection area in as timely a manner as is necessary to prevent overflow of the collection system.

[Comment: If the collected material is a hazardous waste under Part 261 of this Chapter, it must be managed as a hazardous waste in accordance with all applicable requirements of Parts 262-266 of this Chapter. If the collected material is discharged through a point source to waters of the United States, it is subject to the requirements of Section 402 of the Clean Water Act, as amended.]

(c) Storage areas that store containers holding only wastes that do not contain free liquids need not have a containment system defined by paragraph (b) of this section, provided that:

(1) The storage area is sloped or is otherwise designed and operated to drain and remove liquid resulting from precipitation, or

(2) The containers are elevated or are otherwise protected from contact with accumulated liquid.

§ 264.176 Special requirements for ignitable or reactive waste.

Containers holding ignitable or reactive waste must be located at least 15 meters (50 feet) from the facility's property line.

[Comment: See § 264.17(a) for additional requirements.]

§ 264.177 Special requirements for incompatible wastes.

(a) Incompatible wastes, or

incompatible wastes and materials (see Appendix V for examples), must not be placed in the same container, unless § 264.17(b) is complied with.

(b) Hazardous waste must not be placed in an unwashed container that previously held an incompatible waste or material.

[Comment: As required by § 264.13, the waste analysis plan must include analyses needed to comply with § 264.177. Also, § 264.17(c) requires wastes analyses, trial tests or other documentation to assure compliance with § 264.17(b). As required by § 264.73, the owner or operator must place the results of each waste analysis and trial test, and any documented information, in the operating record of the facility.]

(c) A storage container holding a hazardous waste that is incompatible with any waste or other materials stored nearby in other containers, piles, open tanks, or surface impoundments must be separated from the other materials or protected from them by means of a dike, berm, wall, or other device.

[Comment: The purpose of this Section is to prevent fires, explosions, gaseous emission, leaching, or other discharge of hazardous waste or hazardous waste constituents which could result from the mixing of incompatible wastes or materials if containers break or leak.]

§ 264.178 Closure.

At closure, all hazardous waste and hazardous waste residues must be removed from the containment system. Remaining containers, liners, bases, and soil containing or contaminated with hazardous waste or hazardous waste residues must be decontaminated or removed.

[Comment: At closure, as throughout the operating period, unless the owner or operator can demonstrate in accordance with § 261.3(d) of this Chapter that the solid waste removed from the containment system is not a hazardous waste, the owner or operator becomes a generator of hazardous waste and must manage it in accordance with all applicable requirements of Parts 262-266 of this Chapter.]

Subpart J—Tanks

[Interim final]

[Subpart J added by 46 FR 2847, January 12, 1981]

§ 264.190 Applicability.

(a) The regulations in this Subpart apply to owners and operators of facilities that use tanks to treat or store hazardous waste, except as § 264.1 and paragraph (b) of this Section provide otherwise;

✓ *3/2/88*

Occidental Chemical Corporation

June 13, 1985

Mr Edward Belmore, P.E.
Associate Chemical Engineer
NYS Dept of Environmental Conservation
600 Delaware Avenue
Buffalo, New York 14202

Dear Mr Belmore:

Re: RCRA Part B Permit
Occidental Chemical Corporation
Niagara Falls, New York
EPA ID #NYD000824482

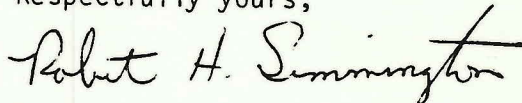
This submission covers Item #6 of your letter of May 1, 1985, concerning the RCRA Part B Application for the Niagara Plant. The following additional information and/or modifications are offered to address the inclusion of the two PCB drums storage locations in building U-67 and the TCDD waste storage location in building V-68.

1. A revised Part A Application covering these storage areas is included and should replace the existing one.
2. A new page to Table A-1 of the Waste Characteristics Section should be added.
3. A new Table of Contents and two new sections should be added to Section B - Containers & Tanks.

Finally, the Closure Plan and Cost Estimate will be modified to include these storage areas at its next annual update.

I hope this satisfies your requirements.

Respectfully yours,



Robert H Simmington
Sr Environmental Engineer
Niagara Plant - Solid Waste

RS/cl
BELMORE.613
RCRA.1985

cc: Mr Frank Langone - EPA, NY (2)
Mr Paul Countermand, PE - DEC, Albany
Mr Robert Harp - EPA, Denver, CO
Mr Mark Hans - DEC, Buffalo



HOOKER Industrial & Specialty Chemicals

P.O. Box 344, Niagara Falls, New York 14302 716/278-7777

bcc: A Katona
J Czapla
R Simmington
J Juskiewicz
File

same letter sent to. (see attached list).

VAB

IC

JUL 5 1985

Mr. James Czapla
Superintendent
Occidental Chemical Corporation
47th and Buffalo Avenue
Niagara Falls, New York 14306

Dear Mr. Czapla:

Upon review of our files, it was determined that your facility (EPA I.D. No. NYDC00824482) was listed as using a land disposal unit for hazardous waste management. It is our understanding, based on previous inspections, that your facility has never used a land disposal unit (i.e., surface impoundment, landfill or waste pile), to manage hazardous waste. If this statement is correct, we request that you resubmit a new Part A application with the necessary corrections in order to remove you from our active disposal list.

Should you have any questions regarding this letter, please contact Mr. Frank Langone, of my staff, at (212) 264-2073.

Sincerely yours,

James Reidy, P.E.
Chief
Permit Section
Solid Waste Branch

cc: Mr. Paul Counterman, P.E.
Chief, Bureau of Hazardous Waste Technology, NYSDEC

cc: R. Baker, PAD
F. Langone, SWB

Mr. James Czapla
Superintendent
Occidental Chemical Corporation
47th and Buffalo Avenue
Niagara Falls, New York 14305

NYD000824482

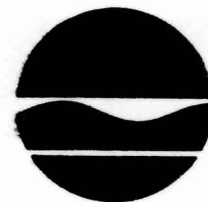
Ms. Laverne Fagel
Pigment Department
Ciba-Geigy
Glens Falls, New York 12801

NYD098334618

102

read one see if it has any
significance - if not make 1+ copies
and file in each RCRA file. LP

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233-0001



Henry G. Williams
Commissioner

Requested
PZ. A's.

January 14, 1986

Copy to
Laura Twingston

Mr. Andrew Bellina
Chief
New York State Permits Section
U.S. Environmental Protection Agency
Region II
26 Federal Plaza
New York, NY 10278

NYD000824482

Dear Mr. Bellina:

Re: Fifteen Facilities Referred to us for
Determinations of the Existence of Land-Based Facilities

The State has made the following determinations on facilities
in regards to the existence of land-based facilities. The facilities
have been requested to formally submit revised Part "A" applications
to us as soon as possible:

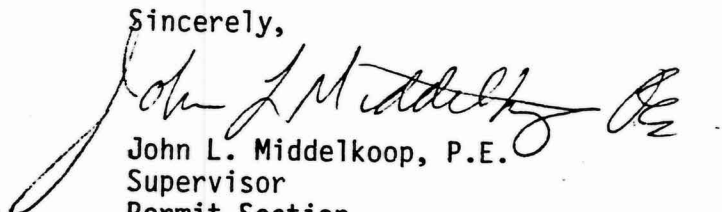
1. Deutsch Relays, NYD057722019 - Facility has an evaporation lagoon. It is presently closed but the closure was not carried out under our rules and regulations. The facility is submitting the required closure plan data and we will act upon it as appropriate.
2. Donner-Hanna Coke Company, NYD002110971 - The material in the waste piles was not a hazardous waste, since it is a reused product. The company will be declared a protective filer and a letter will follow shortly.
3. Edward B. Stimpson, NYD052780392 - The facility's lagoon was determined to be non-regulated, since no hazardous material was placed in the lagoon. The facility has since submitted a closure plan which was approved for the remainder of the facility.
4. LTV Corporation (Republic Steel), NYD000813402 - Has submitted a closure plan but a determination as to whether the impoundment is a RCRA facility or not has not yet been determined.
5. Roseton Generating Station, NYD075437145 - The lagoon has been determined to be a non-RCRA facility. No hazardous waste has been placed in the lagoon.
6. LeaRonal, NYD00132661 - This facility has no lagoons or other land-based treatment that we are aware of. Their treatment appears to be exempt from RCRA regulation.

- 7. Occidental Chemical Corporation, NYD000824482 - This facility has several non-regulated lagoons and several non-regulated and pre-RCRA landfills. We are currently working on their permit. The permit is for storage and incineration only.
8. Olin Corporation, NYD002123461 - This facility was RCRA permitted. Its permit is for storage only. The Part B data they sent revised the Part A.
9. Brooks Avenue Tank Farm, NYD000818781 - This is the Division of Rochester Gas and Electric. Their Part A indicated waste piles. What they did was to store PCB's containing transformers on-site. PCB's are not a hazardous waste under federal regulation and the storage of these transformers does not constitute a waste pile.
10. Reynolds Metal Company, NYD002245967 - Inspections indicate the only hazardous waste is drummed oils. The waste piles consist of spent carbon which is not hazardous.
11. Corning Glass, NYD000824425 - The closure plan for this facility has been approved. No land-based facility was detected. It is currently awaiting a Part B denial.
12. Spaulding Fiber, NYD002104404 is under closure plan review. No land-based unit has been detected.

Of the remaining facilities, the following is known:

1. Eastman Kodak - Part B being prepared by EPA. No major review performed by this Department.
2. University of Rochester - No knowledge of any specific land-based unit is available.

Sincerely,


John L. Middelkoop, P.E.
Supervisor
Permit Section
Bureau of Hazardous Waste Technology
Division of Solid and Hazardous Waste

5-21-86

FORM 3 RCRA		U.S. ENVIRONMENTAL PROTECTION AGENCY HAZARDOUS WASTE PERMIT APPLICATION Consolidated Permits Program (This information is required under Section 3005 of RCRA.)	I. EPA I.D. NUMBER											
			F N Y D 0 0 0 8 2 4 4 8 2 1											

FOR OFFICIAL USE ONLY											
APPLICATION APPROVED				DATE RECEIVED (yr., mo., & day)				COMMENTS			

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item I above.

A. FIRST APPLICATION (place an "X" below and provide the appropriate date)

☐ 1. EXISTING FACILITY (See instructions for provision of "existing" facility. Complete item below.)

☐ 2. NEW FACILITY (Complete item below.)

FOR EXISTING FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left)

FOR NEW FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR IS EXPECTED TO BEGIN

B. REVISED APPLICATION (place an "X" below and complete Item I above)

☒ 1. FACILITY HAS INTERIM STATUS

☐ 2. FACILITY HAS A RCRA PERMIT

III. PROCESSES - CODES AND DESIGN CAPACITIES

A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided on the form (Item III-C).

B. PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process.

1. AMOUNT - Enter the amount.

2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PRO- CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	PROCESS	PRO- CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:			Treatment:		
CONTAINER (barrel, drum, etc.)	S01	GALLONS OR LITERS	TANK	T01	GALLONS PER DAY OR LITERS PER DAY
TANK	S02	GALLONS OR LITERS	SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS	INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS		T04	GALLONS PER DAY OR LITERS PER DAY
Disposal:			OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Item III-C.)		
INJECTION WELL	D79	GALLONS OR LITERS			
LANDFILL	D80	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER			
LAND APPLICATION	D81	ACRES OR HECTARES			
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY			
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS			

UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS.....	G	LITERS PER DAY.....	V	ACRE-FEET.....	A
LITERS.....	L	TONS PER HOUR.....	D	HECTARE-METER.....	F
CUBIC YARDS.....	Y	METRIC TONS PER HOUR.....	W	ACRES.....	B
CUBIC METERS.....	C	GALLONS PER HOUR.....	E	HECTARES.....	Q
GALLONS PER DAY.....	U	LITERS PER HOUR.....	H		

EXAMPLE FOR COMPLETING ITEM III (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

LINE NUMBER	A. PRO- CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY	LINE NUMBER	A. PRO- CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY
		1. AMOUNT (specify)	2. UNIT OF MEAS- URE (enter code)				1. AMOUNT	2. UNIT OF MEAS- URE (enter code)	
X-1	S 0 2	600	G		5				
X-2	T 0 3	20	E		6				
1	S 0 1	332,600	G		7				
2	S 0 2	79,325	G		8				
3	T 0 3	330	E		9				
4	T 0 4	750	U		10				

Continued from the front.

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

T04 - Is Soda Ash or Lime neutralization in portable tubs to remove the characteristics of Reactivity and Corrosivity.

IV. DESCRIPTION OF HAZARDOUS WASTES

A. EPA HAZARDOUS WASTE NUMBER - Enter the four-digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

B. ESTIMATED ANNUAL QUANTITY - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE CODE
POUNDS..... P
TONS..... T

METRIC UNIT OF MEASURE CODE
KILOGRAMS..... K
METRIC TONS..... M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous waste: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER - Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. EPA HAZARDOUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2				included with above

Continued from the front.

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

T04 - Is Soda Ash or Lime neutralization in portable tubs to remove the characteristics of Reactivity and Corrosivity.

IV. DESCRIPTION OF HAZARDOUS WASTES

A. EPA HAZARDOUS WASTE NUMBER - Enter the four-digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

B. ESTIMATED ANNUAL QUANTITY - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE
POUNDS.....	P
TONS.....	T

METRIC UNIT OF MEASURE	CODE
KILOGRAMS.....	K
METRIC TONS.....	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous waste: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER - Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.

2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.

3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2				included with above

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

Form Approved OMB No. 158-S80004

EPA I.D. NUMBER (enter from page 1)													FOR OFFICIAL USE ONLY												
W N Y D 0 0 0 8 2 4 4 8 2													W DUP												
IV. DESCRIPTION OF HAZARDOUS WASTES (continued)													DUP												
LINE NO.	A. EPA HAZARD. WASTENO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES																					
				1. PROCESS CODES (enter)								2. PROCESS DESCRIPTION (if a code is not entered in D(1))													
1	D 0 0 1	50,000	P	S 0 1																					
2	D 0 0 1	5,000,000	P	S 0 2	T 0 3																				
3	D 0 0 1	1,000,000	P	S 0 2																					
4	D 0 0 2																								
5	D 0 0 2	193,000	P	S 0 1													Included with above								
6	D 0 0 2	100,000	P	T 0 4	S 0 1																				
7	D 0 0 2	160,000	P	S 0 2																					
8	D 0 0 2	1,000,000	P	S 0 2	T 0 3																				
9	D 0 0 2	500,000	P	T 0 4	S 0 1																				
10	D 0 0 3																								
11	D 0 0 2	100,000	P	S 0 2	T 0 3												Included with above								
12	D 0 0 3																								
13	D 0 0 3	10,000	P	S 0 1													Included with above								
14	D 0 0 3	200,000	P	S 0 1	T 0 4																				
15	D 0 0 3	4,000,000	P	S 0 2	T 0 3																				
16	D 0 0 4	PA 400,000	P	S 0 1																					
17	D 0 0 9	25,000	P	S 0 1																					
18	F 0 0 1	20,000	P	S 0 2	T 0 3																				
19	F 0 0 2	5,000	P	S 0 1																					
20	F 0 0 3	5,000	P	S 0 1																					
21	F 0 0 5	5,000	P	S 0 1																					
22	K 0 7 1	500,000	P	S 0 1																					
23	K 0 7 3	PA 110,000	P	S 0 2	T 0 3																				
24	P 0 5 0	3,000	P	S 0 1																					
25	U 0 0 3	PA 6,000	P	S 0 1																					
26	U 0 4 1	PA 200	P	S 0 1																					

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)
E. USE THIS SPACE TO LIST ADDITIONAL

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.

EPA I.D. NO. (enter from page 1)												
3	F											T/E
1	2											6
V EACHTL												

V. FACILITY DRAWING

VI. PHOTOGRAPHS
All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

VI. PHOTOGRAPHS

All existing facilities must include photographs (*aerial or ground-level*) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (*see instructions for more detail*).

VII. FACILITY GEOGRAPHIC LOCATION

LATITUDE (degrees)

VII. FACILITY GEOGRAPHIC LOCATION

LATITUDE (degrees, minutes, & seconds)

LONGITUDE (degrees, minutes, & seconds)

VIII. FACILITY OWNER

- ☐ A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.
- ☐ B. If the facility owner is not the facility operator, place an "X" in the box to the left and skip to Section IX below.

1. NAME OF EACH ITEM

1. NAME OF FACILITY'S LEGAL OWNER		2. PHONE NO. (area code & no.)	
3. STREET OR P.O. BOX		4. CITY OR TOWN	
5. ST.		6. ZIP CODE	

IX. OWNER CERTIFICATION

I certify under penalty of law that I have provided the information requested on this form to the best of my knowledge and belief, and that I understand that anyone who furnishes false or misleading information on this form or who omits material or information requested on the form may be subject to criminal sanctions (including fines and imprisonment) and/or civil sanctions (including civil penalties).

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)

A. NAME (print or type)		B. SIGNATURE	C. DATE SIGNED
X. OPERATOR CERTIFICATION I certify under penalty of law that I have			

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)

A. NAME (print or type)		B. SIGNATURE	C. DATE SIGNED
-------------------------	--	--------------	----------------

EPA Form 3510-3 (6-80)

PAGE 4 OF 5

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

[illegible]

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

Form Approved OMB No. 158-S80004

EPA I.D. NUMBER (enter from page 1)													FOR OFFICIAL USE ONLY												
W N Y D 0 0 0 8 2 4 4 8 2													W 2 DUP												
IV. DESCRIPTION OF HAZARDOUS WASTES (continued)																									
LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES																					
				1. PROCESS CODES (enter)																					
				2. PROCESS DESCRIPTION (if a code is not entered in D(1))																					
1	D 0 0 1	2,500,000	P	S 0 2 T 0 3																					
2	F 0 2 0				Included with above																				
3	U 0 1 9				Included with above																				
4	U 0 4 4				Included with above																				
5	U 0 4 5				Included with above																				
6	U 0 8 1				Included with above																				
7	U 1 8 8				Included with above																				
8	U 2 0 7				Included with above																				
9	U 2 0 9				Included with above																				
10	U 2 1 0				Included with above																				
11	U 2 2 0				Included with above																				
12	U 2 2 8				Included with above																				
13	U 2 3 0				Included with above																				
14	U 2 3 9				Included with above																				
15	U 2 0 7	30,000	P	S 0 1																					
16	P 0 5 0				Included with above																				
17	U 0 1 9				Included with above																				
18	U 0 3 7				Included with above																				
19	U 0 7 2				Included with above																				
20	U 1 3 0				Included with above																				
21	U 1 8 8				Included with above																				
22	U 2 3 0				Included with above																				
23	U 2 3 0	50,000	P	S 0 2																					
24	U 0 3 7				Included with above																				
25	U 1 2 9				Included with above																				
26																									

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

Form Approved OMB No. 158-S80004

EPA I.D. NUMBER (enter from page 1)										FOR OFFICIAL USE ONLY									
W N Y D O O O 8 2 4 4 8 2 1										W DUP T/A C 2 DUP									
IV. DESCRIPTION OF HAZARDOUS WASTES (continued)																			
WASTE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES															
				1. PROCESS CODES (enter)								2. PROCESS DESCRIPTION (if a code is not entered in D(1))							
1	U 2 1 0	140,000	P	S 0 2	T 0 3														
2	U 2 2 8																		Included with above
3	U 2 0 8	PA																	Included with above
4	U 2 0 9																		Included with above
5	U 1 3 0	PA																	Included with above
6	U 1 2 8																		Included with above
7																			
8																			
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25																			
26																			

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)**E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.**

EPA I.D. NO. (enter from page 1)

F N Y D O O O 8 2 4 4 8 2 6

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

VI. PHOTOGRAPHS

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

VII. FACILITY GEOGRAPHIC LOCATION

LATITUDE (degrees, minutes, & seconds)

43 04 04 5

LONGITUDE (degrees, minutes, & seconds)

079 00 030

VIII. FACILITY OWNER☒ A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER

2. PHONE NO. (area code & no.)

3. STREET OR P.O. BOX

4. CITY OR TOWN

5. ST.

6. ZIP CODE

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)

B. SIGNATURE

C. DATE SIGNED

Robert A Roberson

5/21/86

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)

B. SIGNATURE

C. DATE SIGNED

Robert A Roberson

5/21/86

Occidental Chemical Corporation

May 22, 1986

Mr. Frank Langone
U S Environmental Protection Agency
Region II
26 Federal Plaza
New York, New York 10278

Re: Revised RCRA Part A Application
Occidental Chemical Corporation
Niagara Falls, New York
EPAID# NYD000824482

Handwritten: 2/19/88

Dear Mr. Langone:

Attached is a revised RCRA Part A Application covering the Hazardous Waste activities at the Occidental Chemical Corporation Niagara Falls Plant. Changes were required due to:

1. The closure of several hazardous waste storage tanks per the closure plan previously submitted.
2. The removal of several hazardous waste streams that are no longer handled at the plant.
3. The addition of some new container storage areas due to increase remedial work within the plant area.
4. The addition of several new wastes being generated at the plant that were not previously listed.
5. The addition of two new waste streams that will be handled at our hazardous waste incinerator as part of our test burn plan to gain approval to incinerate the waste currently stored at our Hyde Park remedial site.
6. The addition of a new treatment process that we intend to utilize to reduce the hazardousness of several of our current waste streams.

I hope this meets your requirements. Changes to our Part B Application which is currently being reviewed by your office and the NY State DEC will follow shortly.

Very truly yours,

Robert H. Simmington

Robert H. Simmington
Sr. Environmental Engineer
Niagara Plant - Waste Disposal

RHS/mc
LANGONE.RS



CC: Paul Counterman, PE - DEC, Albany
John Middelkoop, PE - DEC, Albany
Edward Belmore, PE - DEC, Buffalo

Robert Harp, EPA
Guy Dubec, OCC
J. Juszkievicz, OCC
J. Czapla, OCC

EPA Form 8700-23 (Rev. 11-30-93) Previous edition is obsolete. - 1 of 7 -

EPA I.D. Number (Enter from page 1)

Secondary ID Number (Enter from page 1)

N Y D 0 0 0 8 2 4 4 8 2

III. Operator Information (See instructions)

Name of Operator

O C C I D E N T A L C H E M I C A L C O R P

Street or P.O. Box

5 0 0 5 L B J F R E E W A Y

City or Town

D A L L A S

State

ZIP Code

T X

7 5 2 4 4 -

Phone Number (Area Code and Number)

2 1 4 - 4 0 4 - 3 8 0 0

B. Operator Type

P

C. Change of Operator Indicator

Yes

No

X

Date Changed

Month

Day

Year

VIII. Facility Owner (See Instructions)

A. Name of Facility's Legal Owner

O C C I D E N T A L C H E M I C A L C O R P

Street or P.O. Box

5 0 0 5 L B J F R E E W A Y

City or Town

D A L L A S

State

ZIP Code

T X

7 5 2 4 4 -

Phone Number (Area Code and Number)

2 1 4 - 4 0 4 - 3 8 0 0

B. Owner Type

P

C. Change of Owner Indicator

Yes

No

X

Date Changed

Month

Day

Year

IX. SIC Codes (4-digit, in order of significance)

Primary

2 8 1 2

(Description)

Alkalies & Chlorine

Secondary

2 8 1 9

(Description)

Internal Inorganic Chemicals Mfg.

Secondary

2 8 6 9

(Description)

Industrial Organic Chemicals

Secondary

(Description)

X. Other Environmental Permits (See Instructions)

A. Permit Type
(Enter code)

B. Permit Number

C. Description

N

N Y 0 0 0 3 3 3 6

SPDES Permit - Clean Water Act

R

9 0 - 8 6 - 0 7 0 7

NYS Haz. Waste Management Permit

E

See attached list of air services

E

9 - 0 4 2 6 9 2

NYS Petroleum Bulk Storage Permit

E

9 - 0 0 0 1 0 2

NYS Chemical Bulk Storage Permit

E

2 2

City POTW Discharge Permit Niag. Falls

EPA I.D. Number (Enter from page 1)

Secondary ID Number (Enter from page 1)

N Y D O O O 8 2 4 4 8 2

XI. Nature of Business (Provide a brief description)

Basic Chemicals ie: Chlorine & Sodium Hydrochloride are produced at the plant. Chemical Intermediaries are also produced ie: Parachlorobenzotri Fluoride, Benzotri Fluoride, Sulfuryl Chloride, Chemical Intermediaries products also made, Sodium Hypophosphite and Dechlorane Plus, and Muriratic Acid (HCL).

XII. Process Codes and Design Capacities

- A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Thirteen lines are provided for entering codes. If more lines are needed, attach a separate sheet of paper with the additional information. For "other" processes (i.e., D99, S99, T04 and X99), describe the process (including its design capacity) in the space provided in item XIII.
- B. PROCESS DESIGN CAPACITY - For each code entered in column A, enter the capacity of the process.
1. AMOUNT - Enter the amount. In a case where design capacity is not applicable (such as in a closure/post-closure or enforcement action) enter the total amount of waste for that process.
 2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.
- C. PROCESS TOTAL NUMBER OF UNITS - Enter the total number of units used with the corresponding process code.

PROCESS CODE	PROCESS	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	PROCESS CODE	PROCESS	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
<u>Disposal:</u> D79 Underground Injection Gallons; Liters; Gallons Per Day; or Liters Per Day D80 Landfill Acre-feet or Hectare-meter D81 Land Treatment Acres or Hectares D82 Ocean Disposal Gallons Per Day r Liters Per Day D83 Surface Impoundment Gallons or Liters D99 Other Disposal Any Unit of Measure Listed Below			T87 Smelting, Melting, Or Refining Furnace T88 Titanium Dioxide Chloride Process T89 Oxidation Reactor T90 Methane Reforming Furnace T91 Pulping Liquor Recovery Furnace T92 Combustion Device Used In The Recovery Of Sulfur Values From Spent Sulfuric Acid T93 Halogen Acid Furnaces T94 Other Industrial Furnaces Listed in 40 CFR §260.10 T94 Containment Building-Treatment		
<u>Storage:</u> S01 Container (Barrel, Drum, Etc.) Gallons or Liters S02 Tank Gallons or Liters S03 Waste Pile Cubic Yards or Cubic Meters S04 Surface Impoundment Gallons or Liters S05 Drip Pad Gallons or Liters S06 Containment Building-Storage Cubic Yards or Cubic Meters S99 Other Storage Any Unit of Measure Listed Below			<u>Miscellaneous (Subpart X):</u> X01 Open Burning/Open Detonation X02 Mechanical Processing X03 Thermal Unit X04 Geologic Repository X99 Other Subpart X		
<u>Treatment:</u> T01 Tank Gallons Per Day or Liters Per Day T02 Surface Impoundment Gallons Per Day or Liters Per Day T03 Incinerator Short Tons Per Hour; Metric Tons Per Hour; Gallons Per Hour; Liters Per Hour; or Btu's Per Hour T04 Other Treatment Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; or Btu's Per Hour T80 Boiler Gallons or Liters T81 Cement Kiln Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; or Btu's Per Hour T82 Lime Kiln T83 Aggregate Kiln T84 Phosphate Kiln T85 Coke Oven T86 Blast Furnace			Any Unit of Measure Listed Below Short Tons Per Hour; Metric Tons Per Hour; Short Tons Per Day; Metric Tons Per Day; Pounds Per Hour; or Kilograms Per Hour Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; or Btu's Per Hour Cubic Yards or Cubic Meters		

UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE
Gallons	G	Short Tons Per Hour	D	Cubic Yards	Y
Gallons Per Hour	E	Metric Tons Per Hour	W	Cubic Meters	C
Gallons Per Day	U	Short Tons Per Day	N	Acres	B
Liters	L	Metric Tons Per Day	S	Acre-feet	A
Liters Per Hour	H	Pounds Per Hour	J	Hectares	Q
Liters Per Day	V	Kilograms Per Hour	R	Hectare-meter	F
				Btu's Per Hour	I

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XII. Process Codes and Design Capabilities (Continued)

EXAMPLE FOR COMPLETING ITEM XII (Shown in line number X-1 below): A facility has a storage tank, which can hold 533.788 gallons.

Line Number	A. Process Code (From list above)	B. PROCESS DESIGN CAPACITY		C. Process Total Number Of Units	For Official Use Only
		1. Amount (Specify)	2. Unit Of Measure (Enter code)		
X 1	S 0 2	5 3 3 . 7 8 8	G	0 0 1	
1	S 0 1	76 . 000	G	009	
2	S 0 1	36 . 000	G	003	
3	S 0 1	14,714 . 752	G	005	
4	S 0 2	78 . 500	G	010	
5	T 0 3	. 206	E	001	
6		.			
7		.			
8		.			
9		.			
1 0		.			
1 1		.			
1 2		.			
1 3		.			

NOTE: If you need to list more than 13 process codes, attach an additional sheet(s) with the information in the same format as above. Number the lines sequentially, taking into account any lines that will be used for "other" processes (i.e., D99, S99, T04 and X99) in item XIII.

XIII. Other Processes (Follow instructions from item XII for D99, S99, T04 and X99 process codes)

Line Number (Enter #s in seg w/XII)	A. Process Code (From list above)	B. PROCESS DESIGN CAPACITY		C. Process Total Number Of Units	D. Description Of Process
		1. Amount (Specify)	2. Unit Of Measure (Enter code)		
X 1	T 0 4				In-situ Vitrification
1					
2					
3					
4					

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XIV. Description of Hazardous Wastes

- A. EPA HAZARDOUS WASTE NUMBER** - Enter the four-digit number from 40 CFR, Part 261 Subpart D of each listed hazardous waste you will handle. For hazardous wastes which are not listed in 40 CFR, Part 261 Subpart D, enter the four-digit number(s) from 40 CFR, Part 261 Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.
- B. ESTIMATED ANNUAL QUANTITY** - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.
- C. UNIT OF MEASURE** - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES**1. PROCESS CODES:**

For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in item XII A. on page 3 to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous waste: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in item XII A. on page 3 to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

NOTE: THREE SPACES ARE PROVIDED FOR ENTERING PROCESS CODES. IF MORE ARE NEEDED:

- Enter the first two as described above.
- Enter "000" in the extreme right box of item XIV-D(1).
- Enter in the space provided on page 7, item XIV-E, the line number and the additional code(s).

- 2. PROCESS DESCRIPTION:** If a code is not listed for a process that will be used, describe the process in the space provided on the form (D.(2)).

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER - Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

- Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
- In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "Included with above" and make no other entries on that line.
- Repeat step 2 for each EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM XIV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

Line Number	A. EPA HAZARD WASTE NO. (Enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (Enter code)	D. PROCESS									
	(1) PROCESS CODES (Enter code)						(2) PROCESS DESCRIPTION (If a code is not entered in D(1))									
X 1	K	0	5	4	900	P	T	0	3	D	8	0				
X 2	D	0	0	2	400	P	T	0	3	D	8	0				
X 3	D	0	0	1	100	P	T	0	3	D	8	0				
X 4	D	0	0	2												Included With Above

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N Y D O O O 8 2 4 4 8 2	

XIV. Description of Hazardous Wastes (Continued)

Line Number	A. EPA HAZARDOUS WASTE NO. (Enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (Enter code)	D. PROCESSES									
				(1) PROCESS CODES (Enter code)					(2) PROCESS DESCRIPTION (If a code is not entered in D(1))				
1	K 1 4 9	66,000	P	S	0	1							
2	K 1 4 9	730,000	P	S	0	1	S	0	2	T	0	3	
3	K 1 4 9	85,000	P	S	0	1							
4	F 0 0 2											Included with above	
5	D 0 3 9											Included with above	
6	K 1 4 9	50,000	P	S	0	1	S	0	2	T	0	3	
7	D 0 0 1											Included with above	
8	K 1 4 9	100,000	P	S	0	1	S	0	2	T	0	3	
9	D 0 0 1											Included with above	
10	D 0 0 3											Included with above	
11	K 1 4 9	3,200,000	P	S	0	1	S	0	2	T	0	3	
12	D 0 0 3											Included with above	
13	K 1 4 9	5,000	P	S	0	1							
14	F 0 0 2											Included with above	
15	D 0 2 7											Included with above	
16	D 0 3 3											Included with above	
17	D 0 3 9											Included with above	
18	K 1 4 9	10,000	P	S	0	1							
19	K 1 5 0											Included with above	
20	F 0 3 9											Included with above	
21	F 0 0 2											Included with above	
22	F 0 0 3											Included with above	
23	F 0 0 5											Included with above	
24	B 0 0 7											Included with above	
25	K 1 5 0	10,000	P	S	0	1							
26	K 1 5 0	5,000	P	S	0	1	S	0	2	T	0	3	
27	D 0 0 3											Included in above	
28	K 1 5 1	92,000	P	S	0	1							
29	K 1 5 1	215,000	P	S	0	1	S	0	2	T	0	3	
30	D 0 0 1											Included with above	
31	F 0 0 1	5,000	P	S	0	1	S	0	2	T	0	3	
32	F 0 0 1	5,000	P	S	0	1							
33	F 0 0 2	50,000	P	S	0	1							

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XIV. Description of Hazardous Wastes (Continued)

Line Number	A. EPA HAZARDOUS WASTE NO. (Enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (Enter code)	D. PROCESSES									
				(1) PROCESS CODES (Enter code)						(2) PROCESS DESCRIPTION (If a code is not entered in D(1))			
1	F 0 0 2	40,000	P	S	0	1							
2	D 0 3 9												Included with above
3	F 0 0 2	800,000	P	S	0	1	S	0	2	T	0	3	
4	D 0 3 3												Included with above
5	D 0 3 9												Included with above
6	F 0 0 2	40,000	P	S	0	1							
7	D 0 3 3												Included with above
8	D 0 3 9												Included with above
9	D 0 4 0												Included with above
10	F 0 0 2	7,000	P	S	0	1	S	0	2	T	0	3	
11	F 0 0 3												Included with above
12	F 0 0 5												Included with above
13	D 0 0 1												Included with above
14	D 0 0 2												Included with above
15	F 0 3 9	300,000	P	S	0	1	S	0	2	T	0	3	
16	F 0 3 9	80,069,000	P	S	0	1							
17	F 0 3 9	120,000	P	S	0	1	S	0	2	T	0	3	
18	D 0 0 1												Included with above
19	F 0 3 9	5,000	P	S	0	1	S	0	2	T	0	3	
20	B 0 0 3												Included with above
21	F 0 3 9	75,000	P	S	0	1							
22	B 0 0 7												Included with above
23	U 0 1 9	25,000	P	S	0	1	S	0	2	T	0	3	
24	U 0 3 7												Included with above
25	U 0 7 0												Included with above
26	U 0 7 1												Included with above
27	U 0 7 2												Included with above
28	U 2 2 0	8,000	P	S	0	1							
29	U 0 7 2	7,000	P	S	0	1							
30	D 0 2 7												Included with above
31	U 2 1 0	5,000	P	S	0	1							
32	U 2 1 0	75,000	P	S	0	1	S	0	2	T	0	3	
33	D 0 3 9												Included with above

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XIV. Description of Hazardous Wastes (Continued)

Line Number	A. EPA HAZARDOUS WASTE NO. (Enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (Enter code)	D. PROCESSES									
				(1) PROCESS CODES (Enter code)						(2) PROCESS DESCRIPTION (If a code is not entered in D(1))			
1	U 2 2 6	2,000	P	S	0	1							
2	U 2 1 0	400,000	P	S	0	1	S	0	2	T	0	3	
3	U 2 2 8											Included with above	
4	U 2 1 1											Included with above	
5	U 2 0 9											Included with above	
6	U 1 3 1											Included with above	
7	U 1 2 8											Included with above	
8	D 0 3 9											Included with above	
9	D 0 4 0											Included with above	
10	D 0 1 9											Included with above	
11	D 0 2 8											Included with above	
12	D 0 3 3											Included with above	
13	D 0 3 4											Included with above	
14	B 0 0 3											Included with above	
15	U 1 3 0	5,000	P	S	0	1							
16	D 0 0 6											Included with above	
17	D 0 0 7											Included with above	
18	D 0 1 9											Included with above	
19	D 0 2 2											Included with above	
20	D 0 3 3											Included with above	
21	D 0 3 4											Included with above	
22	D 0 3 9											Included with above	
23	D 0 4 0											Included with above	
24	D 0 0 1	1,500,000	P	S	0	1	S	0	2	T	0	3	
25	D 0 0 1	8,000	P	S	0	1							
26	D 0 0 1	8,000	P	S	0	1							
27	D 0 0 8											Included with above	
28	D 0 0 1	10,000	P	S	0	1	S	0	2	T	0	3	
29	D 0 3 9											Included with above	
30	D 0 0 1	2,000	P	S	0	1							
31	D 0 0 4											Included with above	
32	D 0 0 7											Included with above	
33	D 0 0 8											Included with above	

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N Y D 0 0 0 8 2 4 4 8 2

IV. Description of Hazardous Wastes (Continued)

Line Number	A. EPA HAZARDOUS WASTE NO. (Enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (Enter code)	D. PROCESSES											
	(1) PROCESS CODES (Enter code)						(2) PROCESS DESCRIPTION (if a code is not entered in D(1))											
1	D	0	0	1	7,000	P	S	0	1	S	0	2	T	0	3			
2	D	0	0	8												Included with above		
3	D	0	2	7												Included with above		
4	D	0	3	3												Included with above		
5	D	0	3	9												Included with above		
6	D	0	4	0												Included with above		
7	D	0	0	1	12,000	P	S	0	1									
8	D	0	0	6												Included with above		
9	D	0	0	8												Included with above		
10	D	0	1	8												Included with above		
11	D	0	3	5												Included with above		
12	D	0	3	9												Included with above		
13	D	0	4	0												Included with above		
14	D	0	0	2	5,000	P	S	0	1									
15	D	0	0	2	50,000	P	S	0	1									
16	D	0	0	3												Included with above		
17	D	0	0	2	10,000	P	S	0	1									
18	D	0	0	7												Included with above		
19	D	0	0	3	80,000	P	S	0	1	S	0	2	T	0	3			
20	D	0	0	3	50,000	P	S	0	1									
21	D	0	0	4	15,000	P	S	0	1									
22	D	0	0	8	5,000	P	S	0	1									
23	D	0	0	9	5,000	P	S	0	1									
24	D	0	1	8	2,000	P	S	0	1									
25	D	0	1	9	20,000	P	S	0	1									
26	D	0	2	1	50,000	P	S	0	1	S	0	2	T	0	3			
27	D	0	2	2	6,000	P	S	0	1									
28	D	0	4	0												Included with above		
29	D	0	2	7	50,000	P	S	0	1	S	0	2	T	0	3			
30	D	0	3	1	5,000	P	S	0	1									
31	D	0	3	9												Included with above		
32	D	0	3	2	50,000	P	S	0	1	S	0	2	T	0	3			
33	D	0	3	3	10,000	P	S	0	1									

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XIV. Description of Hazardous Wastes (Continued)

Line Number	A. EPA HAZARDOUS WASTE NO. (Enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (Enter code)	D. PROCESSES	
				(1) PROCESS CODES (Enter code)	(2) PROCESS DESCRIPTION (If a code is not entered in D(1))
1	D 0 3 3	40,000	P	S 0 1	
2	D 0 3 9				Included with above
3	D 0 4 0				Included with above
4	D 0 3 4	50,000	P	S 0 1 S 0 2 T 0 3	
5					
6	B 0 0 1	250,000	P	S 0 1 S 0 2 T 0 3	
7	B 0 0 2	250,000	P	S 0 1 S 0 2 T 0 3	
8	B 0 0 3	250,000	P	S 0 1 S 0 2 T 0 3	
9	B 0 0 4	20,000	P	S 0 1	
10	B 0 0 5	20,000	P	S 0 1	
11	B 0 0 6	20,000	P	S 0 1	
12	B 0 0 7	50,000	P	S 0 1	
13					
14	D 0 0 5	30,000	P	S 0 1	
15	D 0 0 6	30,000	P	S 0 1	
16	D 0 0 7	30,000	P	S 0 1	
17	D 0 1 0	30,000	P	S 0 1	
18	D 0 1 1	30,000	P	S 0 1	
19	D 0 1 2	30,000	P	S 0 1	
20	D 0 1 3	30,000	P	S 0 1	
21	D 0 1 4	30,000	P	S 0 1	
22	D 0 1 5	30,000	P	S 0 1	
23	D 0 1 6	30,000	P	S 0 1	
24	D 0 1 7	30,000	P	S 0 1	
25	D 0 2 0	30,000	P	S 0 1	
26	D 0 2 2	30,000	P	S 0 1	
27	D 0 2 8	30,000	P	S 0 1	
28	D 0 2 9	30,000	P	S 0 1	
29	D 0 3 0	30,000	P	S 0 1	
30	D 0 3 1	30,000	P	S 0 1	
31	D 0 3 5	30,000	P	S 0 1	
32	D 0 3 6	30,000	P	S 0 1	
33	D 0 3 7	30,000	P	S 0 1	

EPA I.D. Number (Enter from page 1)

Secondary ID Number (Enter from page 1)

N Y D 0 0 0 8 2 4 4 8 2

XIV. Description of Hazardous Wastes (Continued)

Line Number	A. EPA HAZARDOUS WASTE NO. (Enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (Enter code)	D. PROCESSES	
				(1) PROCESS CODES (Enter code)	(2) PROCESS DESCRIPTION (If a code is not entered in D(1))
1	D 0 3 8	30,000	P	S 0 1	
2	D 0 3 9	30,000	P	S 0 1	
3	D 0 4 0	30,000	P	S 0 1	
4	D 0 4 1	30,000	P	S 0 1	
5	D 0 4 2	30,000	P	S 0 1	
6	D 0 4 3	30,000	P	S 0 1	
7					
8	F 0 2 0	100,000	P	S 0 1	
9	F 0 2 7	100,000	P	S 0 1	
10					
11	K 0 1 5	200,000	P	S 0 1 S 0 2 T 0 3	
12	K 0 3 0	100,000	P	S 0 1	
13	K 0 7 1	100,000	P	S 0 1	
14	K 0 8 5	200,000	P	S 0 1 S 0 2 T 0 3	
15	K 0 7 3	200,000	P	S 0 1 S 0 2 T 0 3	
16	P 0 0 6	50,000	P	S 0 1	
17	P 0 1 1	2,000	P	S 0 1	
18	P 0 1 2	2,000	P	S 0 1	
19	P 0 2 2	2,000	P	S 0 1 S 0 2 T 0 3	
20	P 0 2 8	5,000	P	S 0 1	
21	P 0 3 0	2,000	P	S 0 1	
22	P 0 5 0	2,000	P	S 0 1	
23	P 0 9 8	2,000	P	S 0 1	
24	P 1 0 4	2,000	P	S 0 1	
25	P 1 0 6	2,000	P	S 0 1	
26					
27	U 0 0 2	10,000	P	S 0 1	
28	U 0 0 3	2,000	P	S 0 1	
29	U 0 1 2	10,000	P	S 0 1	
30	U 0 1 7	150,000	P	S 0 1 S 0 2 T 0 3	
31	U 0 1 9	100,000	P	S 0 1 S 0 2 T 0 3	
32	U 0 2 3	100,000	P	S 0 1 S 0 2 T 0 3	
33	U 0 2 7	5,000	P	S 0 1	

EPA I.D. Number (Enter from page 1)

Secondary ID Number (Enter from page 1)

N Y D 0 0 0 8 2 4 4 8 2

XIV. Description of Hazardous Wastes (Continued)

Line Number	A. EPA HAZARDOUS WASTE NO. (Enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (Enter code)	D. PROCESSES									
							(1) PROCESS CODES (Enter code)					(2) PROCESS DESCRIPTION (If a code is not entered in D(1))				
15	1	U	0	3	1	30,000	P	S	0	1						
16	2	U	0	3	7	30,000	P	S	0	1						
17	3	U	0	4	1	30,000	P	S	0	1						
18	4	U	0	4	4	30,000	P	S	0	1						
19	5	U	0	4	5	30,000	P	S	0	1						
20	6	U	0	4	8	30,000	P	S	0	1						
21	7	U	0	5	0	30,000	P	S	0	1						
22	8	U	0	5	6	30,000	P	S	0	1						
23	9	U	0	5	7	30,000	P	S	0	1						
24	1 0	U	0	6	0	30,000	P	S	0	1						
25	1 1	U	0	6	1	30,000	P	S	0	1						
26	1 2	U	0	7	0	30,000	P	S	0	1						
27	1 3	U	0	7	1	30,000	P	S	0	1						
28	1 4	U	0	7	2	30,000	P	S	0	1						
29	1 5	U	0	7	6	30,000	P	S	0	1						
30	1 6	U	0	7	7	30,000	P	S	0	1						
31	1 7	U	0	7	8	30,000	P	S	0	1						
32	1 8	U	0	7	9	30,000	P	S	0	1						
33	1 9	U	0	8	0	30,000	P	S	0	1						
34	2 0	U	0	8	1	30,000	P	S	0	1						
35	2 1	U	0	8	2	30,000	P	S	0	1						
36	2 2	U	0	5	2	30,000	P	S	0	1						
37	2 3	U	0	5	5	30,000	P	S	0	1						
38	2 4	U	0	6	7	30,000	P	S	0	1						
139	2 5	U	0	3	6	30,000	P	S	0	1						
140	2 6	U	1	0	1	30,000	P	S	0	1						
141	2 7	U	1	0	8	30,000	P	S	0	1						
142	2 8	U	1	0	9	30,000	P	S	0	1						
143	2 9	U	1	1	7	30,000	P	S	0	1						
144	3 0	U	1	2	1	30,000	P	S	0	1						
145	3 1	U	1	2	2	30,000	P	S	0	1						
146	3 2	U	1	2	3	30,000	P	S	0	1						
147	3 3	U	1	2	5	30,000	P	S	0	1						

EPA I.D. Number (Enter from page 1)

Secondary ID Number (Enter from page 1)

N Y D 0 0 0 8 2 4 4 8 2

XIV. Description of Hazardous Wastes (Continued)

Line Number	A. EPA HAZARDOUS WASTE NO. (Enter code)					B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (Enter code)	D. PROCESSES									
								(1) PROCESS CODES (Enter code)					(2) PROCESS DESCRIPTION (If a code is not entered in D(1))				
1	U	1	2	7	30,000	P	S	0	1								
2	U	1	2	8	30,000	P	S	0	1								
3	U	1	2	9	30,000	P	S	0	1								
4	U	1	3	0	30,000	P	S	0	1								
5	U	1	3	1	30,000	P	S	0	1								
6	U	1	3	3	30,000	P	S	0	1								
7	U	1	3	4	30,000	P	S	0	1								
8	U	1	3	5	30,000	P	S	0	1								
9	U	1	4	4	5,000	P	S	0	1								
10	U	1	4	7	5,000	P	S	0	1								
11	U	1	5	1	30,000	P	S	0	1								
12	U	1	5	4	30,000	P	S	0	1								
13	U	1	5	7	30,000	P	S	0	1								
14	U	1	5	9	30,000	P	S	0	1								
15	U	1	6	0	30,000	P	S	0	1								
16	U	1	6	1	30,000	P	S	0	1								
17	U	1	6	2	5,000	P	S	0	1								
18	U	1	6	5	30,000	P	S	0	1								
19	U	1	6	6	5,000	P	S	0	1								
20	U	1	6	7	5,000	P	S	0	1								
21	U	1	7	0	5,000	P	S	0	1								
22	U	1	8	3	30,000	P	S	0	1								
23	U	1	8	4	30,000	P	S	0	1								
24	U	1	8	8	100,000	P	S	0	1	S	0	2	T	0	3		
25	U	1	8	8	50,000	P	S	0	1								
26	U	1	8	9	30,000	P	S	0	1								
27	U	1	9	0	30,000	P	S	0	1								
28	U	1	9	6	30,000	P	S	0	1								
29	U	2	0	1	30,000	P	S	0	1								
30	U	2	0	2	30,000	P	S	0	1								
31	U	2	0	7	30,000	P	S	0	1								
32	U	2	0	8	30,000	P	S	0	1								
33	U	2	0	9	30,000	P	S	0	1								

EPA I.D. Number (Enter from page 1)

Secondary ID Number (Enter from page 1)

N Y D 0 0 0 8 2 4 4 8 2

XIV. Description of Hazardous Wastes (Continued)

Line Number	A. EPA HAZARDOUS WASTE NO. (Enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (Enter code)	D. PROCESSES									
							(1) PROCESS CODES (Enter code)					(2) PROCESS DESCRIPTION (If a code is not entered in D(1))				
1	U	2	1	0	30,000	P	S	0	1							
2	U	2	1	1	30,000	P	S	0	1							
3	U	2	1	3	30,000	P	S	0	1							
4	U	2	1	9	5,000	P	S	0	1							
5	U	2	2	0	30,000	P	S	0	1							
6	U	2	2	1	5,000	P	S	0	1							
7	U	2	2	3	5,000	P	S	0	1							
8	U	2	2	6	30,000	P	S	0	1							
9	U	2	2	7	30,000	P	S	0	1							
10	U	2	2	8	30,000	P	S	0	1							
11	U	2	3	0	30,000	P	S	0	1							
12	U	2	3	1	30,000	P	S	0	1							
13	U	2	3	9	30,000	P	S	0	1							
14	U	2	4	4	30,000	P	S	0	1							
15	U	2	4	9	30,000	P	S	0	1							
16	U	3	2	8	30,000	P	S	0	1							
17	U	3	5	3	30,000	P	S	0	1							
18	U	2	0	7	30,000	P	S	0	1	S	0	2	T	0	3	
19	D	0	0	4	30,000	P	S	0	1	S	0	2	T	0	3	
20	D	0	1	8	30,000	P	S	0	2	S	0	2	T	0	3	
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EPA I.D. Number (Enter from page 1)

Secondary ID Number (Enter from page 1)

N Y D 0 0 0 8 2 4 4 8 2

XV. Map

Attach to this application a topographic map, or other equivalent map, of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in this map area. See instructions for precise requirements.

XVI. Facility Drawing

All existing facilities must include a scale drawing of the facility (see instructions for more detail).

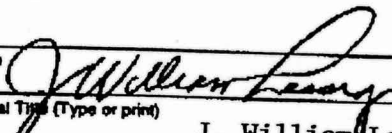
XVII. Photographs

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

XVIII. Certification(s)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Owner Signature



Date Signed

8/5/96

Name and Official Title (Type or print)

J. William Lessig, Plant Manager

Owner Signature

Date Signed

Name and Official Title (Type or print)

Operator Signature

Date Signed

Name and Official Title (Type or print)

Operator Signature

Date Signed

Name and Official Title (Type or print)

XIX. Comments

Note: Mail completed form to the appropriate EPA Regional or State Office. (Refer to instructions for more information)

OxyChem®

NYD000824482
copy to John B
Alan S

Mr. Steven Doleski
NYS Department of Environmental Conservation
Region 9 Headquarters
270 Michigan Avenue
Buffalo, NY 14203-2999

May 22, 1996

RE: Solid Waste Incinerator (Thermal Destruction Unit) - Part 373 Permit Application

ENVIRONMENTAL PROTECTION
1996 MAY 28 PM 10:25
NYS DEPT. OF ENVIRONMENTAL CONSERVATION
NYS HAZ WASTE FAC. DIVISION

At this time Occidental Chemical Corporation would like to withdraw its Part 373 application to build and operate a solid waste incinerator at its Buffalo Avenue Plant in Niagara Falls. (Facility ID # NYD000824482) The need for this incinerator has been eliminated since commercial incineration capacity has become available elsewhere.

Occidental Chemical Corporation requests that all copies of this application and it's supporting documents (including the DEIS and the Comprehensive Trial Burn Plan dated 11/92 and Revision 1 dated 4/93) that are in the Department's possession be returned to the OCC's Niagara Falls Facility, 47th St. & Buffalo Avenue, Niagara Falls, NY 14302.

Thank you for your cooperation and assistance in this matter. Should you require additional information, please contact me at (716) 278-7545.

Respectfully Yours,

Robert H Simmington

Robert H Simmington
Sr. Environmental Engineer
Niagara Plant - Waste Management

xc: Mr. Richard Baker - NYSDEC, Region 9 Headquarters, 270 Michigan Ave., Buffalo, NY 14203-2999
Mr. Paul Eisman - NYSDEC, Region 9 Headquarters, 270 Michigan Avenue, Buffalo, NY 14203-2999
Mr. Richard Guthrie - NYSDEC, Headquarters, 50 Wolf Road, Albany, NY 12233
Mr. James W. Dolen, Jr. - NYSDEC, Headquarters, 50 Wolf Road, Albany, NY 12233
Mr. Andrew Bellina, P.E. - USEPA, Region II Headquarters, 26 Federal Plaza, New York, NY 10278

J Czaplak - OCC
A Weston - OCC
G Nardelli - OCC



Occidental Chemical Corporation
Basic Chemicals Group
P.O. Box 344, Niagara Falls, NY 14302-0344
716-278-7777